Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1002	1	silt, water	-131.984018	62.455802	2.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1003	2	silt, water	-131.984018	62.455802	2.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1004	0	silt, water	-131.991683	62.469598	2.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1005	0	silt, water	-131.974680	62.181435	2.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1006	0	silt, water	-131.986895	62.199048	2.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1007	0	silt, water	-131.983453	62.198664	4.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1008	0	silt, water	-131.971182	62.201588	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1009	0	silt, water	-131.961876	62.220274	8.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1010	0	silt, water	-131.964296	62.239051	4.0	0.3	mountainous-mature	dendritic	ground	secondary
105J_1989_1011	0	silt, water	-131.951823	62.278474	3.0	0.5	mountainous-mature	dendritic	ground	secondary
105J_1989_1012	0	silt, water	-131.972472	62.045195	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1013	0	silt, water	-131.947169	62.055601	2.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1014	0	silt, water	-131.933457	62.056128	3.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1015	0	silt, water	-131.920281	62.045689	3.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1016	0	silt, water	-131.869571	62.053572	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1017	0	silt, water	-131.812633	62.062279	2.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1019	0	silt, water	-131.795959	62.030029	10.0	2.0	hilly, undulating	dendritic	ground	primary
105J_1989_1020	0	silt	-131.825963	62.002596	0.0	0.0	hilly, undulating	dendritic	unknown	undefined
105J_1989_1022	0	silt, water	-131.623540	62.020222	5.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1023	0	silt, water	-131.606369	62.044735	1.0	0.4	hilly, undulating	poorly defined	ground	primary
105J_1989_1024	0	silt, water	-131.569511	62.033732	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1025	1	silt, water	-131.553466	62.051283	12.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1026	2	silt, water	-131.553466	62.051283	12.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1027	0	silt, water	-131.525497	62.017712	10.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1028	0	silt, water	-131.523471	62.009873	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1029	0	silt, water	-131.437064	62.034472	3.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1030	0	silt, water	-131.285428	62.021844	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1031	0	silt, water	-131.273088	62.028353	3.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1032	0	silt, water	-131.247094	62.037516	2.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1033	0	silt, water	-131.146640	62.011240	2.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1034	0	silt, water	-131.070370	62.039435	2.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1035	0	silt, water	-130.975167	62.019010	3.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1036	0	silt, water	-130.975912	62.038171	2.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1037	0	silt, water	-130.961092	62.037574	2.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1039	0	silt, water	-130.936608	62.051577	2.0	1.0	hilly, undulating	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1002	1	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1003	2	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1004	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1005	0	permanent	slow	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1006	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1007	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1008	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1009	0	permanent	torrential	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1010	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1011	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1012	0	permanent	slow	clear	colourless	organics	none	none	none	black
105J_1989_1013	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1014	0	permanent	slow	clear	brown	colluvial	none	none	none	black
105J_1989_1015	0	permanent	slow	clear	colourless	till	none	none	none	red-brown
105J_1989_1016	0	permanent	stagnant	clear	colourless	till	none	none	none	black
105J_1989_1017	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1019	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1020	0	intermittent	stagnant	clear	colourless	organics	none	none	none	black
105J_1989_1022	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1023	0	permanent	stagnant	clear	colourless	organics	none	none	none	black
105J_1989_1024	0	permanent	stagnant	clear	colourless	organics	none	none	none	red-brown
105J_1989_1025	1	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1026	2	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1027	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1028	0	permanent	slow	clear	colourless	undefined	possible	none	none	black
105J_1989_1029	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1030	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1031	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	black
105J_1989_1032	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1033	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1034	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1035	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1036	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1037	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1039	0	permanent	slow	clear	colourless	colluvial	none	none	none	black

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1002	1	65,35,0
105J_1989_1003	2	65,35,0
105J_1989_1004	0	50,50,0
105J_1989_1005	0	25,75,0
105J_1989_1006	0	50,50,0
105J_1989_1007	0	25,75,0
105J_1989_1008	0	0,100,0
105J_1989_1009	0	50,50,0
105J_1989_1010	0	0,100,0
105J_1989_1011	0	35,65,0
105J_1989_1012	0	0,25,75
105J_1989_1013	0	0,25,75
105J_1989_1014	0	0,25,75
105J_1989_1015	0	25,75,0
105J_1989_1016	0	0,25,75
105J_1989_1017	0	25,75,0
105J_1989_1019	0	0,25,75
105J_1989_1020	0	0,25,75
105J_1989_1022	0	0,100,0
105J_1989_1023	0	0,25,75
105J_1989_1024	0	0,50,50
105J_1989_1025	1	25,75,0
105J_1989_1026	2	25,75,0
105J_1989_1027	0	50,50,0
105J_1989_1028	0	0,50,50
105J_1989_1029	0	25,75,0
105J_1989_1030	0	0,25,75
105J_1989_1031	0	0,25,75
105J_1989_1032	0	25,50,25
105J_1989_1033	0	0,75,25
105J_1989_1034	0	25,75,0
105J_1989_1035	0	0,50,50
105J_1989_1036	0	0,75,25
105J_1989_1037	0	0,75,25
105J_1989_1039	0	0,25,75

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1040	0	silt, water	-130.894482	62.060819	2.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1042	0	silt, water	-130.877687	62.053164	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1044	1	silt, water	-130.853812	62.067629	2.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1045	2	silt, water	-130.853812	62.067629	2.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1046	0	silt, water	-130.849169	62.077523	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1047	0	silt, water	-130.806106	62.062990	2.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1048	0	silt, water	-130.826388	62.024670	8.0	2.0	plain	poorly defined	unknown	undefined
105J_1989_1049	0	silt, water	-130.831276	62.013452	8.0	2.0	hilly, undulating	dendritic	ground	primary
105J_1989_1050	0	silt, water	-130.661378	62.018227	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1051	0	silt, water	-130.675113	62.035174	2.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1052	0	silt, water	-130.708770	62.049971	1.0	1.5	hilly, undulating	dendritic	ground	primary
105J_1989_1053	0	silt, water	-130.668989	62.064726	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1054	0	silt, water	-130.697163	62.071654	0.5	0.2	hilly, undulating	poorly defined	ground	primary
105J_1989_1055	0	silt, water	-130.675602	62.089230	1.0	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1056	0	silt, water	-130.634997	62.095974	1.0	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1057	0	silt, water	-130.599144	62.124918	2.0	1.0	hilly, undulating	poorly defined	ground	primary
105J_1989_1058	0	silt, water	-130.652357	62.123521	1.0	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1059	0	silt, water	-130.760002	62.140311	1.0	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1060	0	silt, water	-130.764292	62.140185	1.0	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1062	1	silt, water	-130.830841	62.169265	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1063	2	silt, water	-130.830841	62.169265	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1064	0	silt, water	-130.827496	62.135170	3.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1065	0	silt, water	-130.814007	62.107854	1.0	0.2	hilly, undulating	poorly defined	ground	primary
105J_1989_1066	0	silt, water	-130.830430	62.104001	1.0	0.2	hilly, undulating	poorly defined	ground	primary
105J_1989_1068	0	silt, water	-130.931766	62.150957	0.5	0.2	hilly, undulating	poorly defined	ground	primary
105J_1989_1069	0	silt, water	-130.958244	62.137439	0.5	0.2	hilly, undulating	poorly defined	ground	primary
105J_1989_1070	0	silt, water	-130.984085	62.130390	1.0	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1071	0	silt, water	-131.017328	62.130700	1.0	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1072	0	silt, water	-130.940927	62.119877	1.0	0.3	hilly, undulating	poorly defined	ground	primary
105J_1989_1073	0	silt, water	-130.980932	62.108238	1.0	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1074	0	silt, water	-131.021040	62.097178	1.0	0.2	hilly, undulating	poorly defined	ground	primary
105J_1989_1075	0	silt, water	-131.096501	62.081462	1.0	0.2	hilly, undulating	poorly defined	ground	primary
105J_1989_1076	0	silt, water	-131.146979	62.069741	3.0	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1077	0	silt, water	-131.184729	62.090495	1.0	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1078	0	silt, water	-131.197937	62.114971	2.0	0.5	hilly, undulating	poorly defined	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1040	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1042	0	permanent	slow	clear	colourless	undefined	possible	none	none	red-brown
105J_1989_1044	1	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1045	2	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1046	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1047	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1048	0	undefined	slow	clear	colourless	undefined	probable	none	none	black
105J_1989_1049	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1050	0	permanent	slow	clear	colourless	organics	none	none	none	black
105J_1989_1051	0	permanent	slow	clear	colourless	organics	none	none	none	black
105J_1989_1052	0	permanent	slow	clear	colourless	organics	none	none	none	grey, blue-grey
105J_1989_1053	0	permanent	slow	clear	colourless	organics	none	none	none	grey, blue-grey
105J_1989_1054	0	permanent	slow	clear	colourless	organics	none	none	none	red-brown
105J_1989_1055	0	permanent	slow	clear	colourless	organics	none	none	none	grey, blue-grey
105J_1989_1056	0	permanent	slow	clear	colourless	organics	none	none	none	red-brown
105J_1989_1057	0	permanent	slow	clear	colourless	organics	none	none	none	red-brown
105J_1989_1058	0	permanent	slow	clear	colourless	organics	none	none	none	grey, blue-grey
105J_1989_1059	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1060	0	permanent	slow	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_1062	1	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1063	2	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1064	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1065	0	permanent	slow	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_1066	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1068	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1069	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_1070	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1071	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1072	0	permanent	slow	clear	colourless	organics	none	none	none	red-brown
105J_1989_1073	0	permanent	slow	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_1074	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1075	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1076	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1077	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1078	0	permanent	slow	clear	colourless	colluvial	possible	none	none	red-brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1040	0	0,25,75
105J_1989_1042	0	25,75,0
105J_1989_1044	1	0,50,50
105J_1989_1045	2	0,50,50
105J_1989_1046	0	25,75,0
105J_1989_1047	0	0,25,75
105J_1989_1048	0	0,25,75
105J_1989_1049	0	0,100,0
105J_1989_1050	0	0,25,75
105J_1989_1051	0	0,25,75
105J_1989_1052	0	0,75,25
105J_1989_1053	0	0,75,25
105J_1989_1054	0	0,75,25
105J_1989_1055	0	0,75,25
105J_1989_1056	0	0,75,25
105J_1989_1057	0	0,50,50
105J_1989_1058	0	0,100,0
105J_1989_1059	0	25,75,0
105J_1989_1060	0	0,100,0
105J_1989_1062	1	25,75,0
105J_1989_1063	2	25,75,0
105J_1989_1064	0	0,75,25
105J_1989_1065	0	0,100,0
105J_1989_1066	0	0,100,0
105J_1989_1068	0	0,100,0
105J_1989_1069	0	0,100,0
105J_1989_1070	0	0,100,0
105J_1989_1071	0	0,100,0
105J_1989_1072	0	25,75,0
105J_1989_1073	0	0,100,0
105J_1989_1074	0	0,50,50
105J_1989_1075	0	0,25,75
105J_1989_1076	0	25,75,0
105J_1989_1077	0	0,75,25
105J_1989_1078	0	25,75,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1079	0	silt, water	-131.294625	62.093913	2.0	1.0	hilly, undulating	poorly defined	ground	primary
105J_1989_1080	0	silt, water	-131.341191	62.098206	0.5	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1082	1	silt, water	-131.403723	62.067991	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1083	2	silt, water	-131.403723	62.067991	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1084	0	silt, water	-131.479921	62.061946	3.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1085	0	silt, water	-131.547098	62.085135	0.5	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1086	0	silt, water	-131.560581	62.334308	3.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1087	0	silt, water	-131.458041	62.326307	3.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1089	0	silt, water	-131.409779	62.352702	2.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1090	0	silt, water	-131.362497	62.365574	2.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1091	0	silt, water	-131.442414	62.390633	4.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1092	0	silt, water	-131.322953	62.387209	2.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1093	0	silt, water	-131.279809	62.403019	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1094	0	silt, water	-131.275113	62.425313	2.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1095	0	silt, water	-131.350542	62.424975	0.8	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1096	0	silt, water	-131.307046	62.504351	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1097	0	silt	-131.320642	62.532584	0.0	0.0	hilly, undulating	poorly defined	unknown	undefined
105J_1989_1098	0	silt, water	-131.308550	62.551184	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1099	0	silt, water	-130.908800	62.873141	2.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1100	0	silt, water	-130.883453	62.882658	3.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1102	1	silt, water	-130.843627	62.891491	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1103	2	silt, water	-130.843627	62.891491	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1104	0	silt, water	-130.791988	62.899690	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1105	0	silt, water	-130.731065	62.910148	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1106	0	silt	-130.668726	62.907209	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1107	0	silt, water	-130.610595	62.914323	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1108	0	silt, water	-130.633010	62.943817	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1109	0	silt, water	-130.613135	62.949397	2.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1110	0	silt, water	-130.626087	62.963613	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1111	0	silt, water	-130.649330	62.985832	4.0	1.0	mountainous-mature	dendritic	ground	primary
105J_1989_1112	0	silt, water	-130.645807	62.996880	3.0	0.2	mountainous-mature	dendritic	glacier	primary
105J_1989_1113	0	silt, water	-130.683948	62.986484	5.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1114	0	silt, water	-130.693221	62.990503	1.0	0.5	mountainous-mature	dendritic	glacier	primary
105J_1989_1115	0	silt, water	-130.697542	62.986374	0.5	0.5	mountainous-mature	dendritic	glacier	primary
105J_1989_1117	0	silt, water	-130.686659	62.969492	1.0	0.5	mountainous-mature	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1079	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1080	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1082	1	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1083	2	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1084	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1085	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1086	0	permanent	slow	clear	colourless	organics	possible	none	none	red-brown
105J_1989_1087	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1089	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1090	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1091	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1092	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1093	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1094	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1095	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1096	0	permanent	slow	cloudy	white	colluvial	none	none	none	red-brown
105J_1989_1097	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1098	0	permanent	stagnant	cloudy	white	colluvial	none	none	none	red-brown
105J_1989_1099	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1100	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1102	1	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1103	2	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1104	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1105	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1106	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1107	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1108	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1109	0	permanent	slow	clear	colourless	colluvial	none	none	red-brown	red-brown
105J_1989_1110	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1111	0	permanent	moderate	clear	colourless	colluvial	none	red-brown	red-brown	red-brown
105J_1989_1112	0	permanent	fast	clear	colourless	glacial outwash	none	red-brown	red-brown	red-brown
105J_1989_1113	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1114	0	permanent	moderate	clear	colourless	glacial outwash	none	red-brown	red-brown	red-brown
105J_1989_1115	0	permanent	moderate	clear	colourless	bare rock	none	none	none	red-brown
105J_1989_1117	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1079	0	0,100,0
105J_1989_1080	0	0,100,0
105J_1989_1082	1	0,25,75
105J_1989_1083	2	0,25,75
105J_1989_1084	0	0,50,50
105J_1989_1085	0	0,25,75
105J_1989_1086	0	0,75,25
105J_1989_1087	0	25,75,0
105J_1989_1089	0	25,75,0
105J_1989_1090	0	0,75,25
105J_1989_1091	0	0,25,75
105J_1989_1092	0	0,25,75
105J_1989_1093	0	0,75,25
105J_1989_1094	0	0,50,50
105J_1989_1095	0	40,40,20
105J_1989_1096	0	0,75,25
105J_1989_1097	0	25,75,0
105J_1989_1098	0	0,100,0
105J_1989_1099	0	25,75,0
105J_1989_1100	0	25,75,0
105J_1989_1102	1	0,100,0
105J_1989_1103	2	0,100,0
105J_1989_1104	0	0,75,25
105J_1989_1105	0	25,75,0
105J_1989_1106	0	0,25,75
105J_1989_1107	0	0,50,50
105J_1989_1108	0	0,50,50
105J_1989_1109	0	0,75,25
105J_1989_1110	0	0,75,25
105J_1989_1111	0	25,75,0
105J_1989_1112	0	25,75,0
105J_1989_1113	0	50,50,0
105J_1989_1114	0	25,75,0
105J_1989_1115	0	50,50,0
105J_1989_1117	0	25,75,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1118	0	silt, water	-130.696431	62.946490	2.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1119	0	silt, water	-130.747119	62.938392	2.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1120	0	silt, water	-130.744081	62.944957	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1122	0	silt, water	-130.771271	62.951630	1.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1123	1	silt, water	-130.775114	62.990628	1.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1124	2	silt, water	-130.775114	62.990628	1.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1125	0	silt, water	-130.823054	62.976164	2.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1126	0	silt, water	-130.840104	62.966471	3.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1127	0	silt, water	-130.869772	62.985923	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1128	0	silt, water	-130.973741	62.979534	0.5	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1129	0	silt, water	-130.966686	62.951206	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1131	0	silt, water	-130.922021	62.946578	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1132	0	silt	-130.979034	62.938167	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1133	0	silt, water	-130.857278	62.924406	2.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1134	0	silt, water	-130.927626	62.916423	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1135	0	silt, water	-130.904916	62.908768	2.0	1.0	mountainous-mature	dendritic	ground	primary
105J_1989_1136	0	silt, water	-130.913660	62.896456	2.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1137	0	silt, water	-131.049554	62.839027	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1138	0	silt	-131.024988	62.834830	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1139	0	silt, water	-130.979187	62.842072	0.5	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1140	0	silt, water	-130.950340	62.851373	2.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1142	0	silt, water	-131.017218	62.873606	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1143	0	silt, water	-130.980981	62.875718	3.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1144	1	silt, water	-130.968138	62.892419	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1146	2	silt, water	-130.968138	62.892419	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1147	0	silt, water	-131.004436	62.890318	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1148	0	silt, water	-131.024775	62.935604	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1149	0	silt, water	-131.014750	62.960602	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1150	0	silt, water	-131.013266	62.965992	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1151	0	silt, water	-131.059092	62.981413	5.0	1.0	mountainous-mature	dendritic	ground	primary
105J_1989_1152	0	silt, water	-131.096216	62.959640	0.5	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1153	0	silt, water	-131.073651	62.955438	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1154	0	silt, water	-131.123196	62.934328	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1155	0	silt, water	-131.143097	62.928370	1.5	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1156	0	silt, water	-131.072005	62.914321	1.0	0.2	mountainous-mature	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1118	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1119	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1120	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1122	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1123	1	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1124	2	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1125	0	permanent	slow	clear	colourless	till	none	none	none	red-brown
105J_1989_1126	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1127	0	permanent	slow	clear	colourless	bare rock	none	none	none	red-brown
105J_1989_1128	0	permanent	slow	clear	colourless	till	none	none	red-brown	red-brown
105J_1989_1129	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1131	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1132	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	black
105J_1989_1133	0	permanent	slow	clear	colourless	till	none	none	none	red-brown
105J_1989_1134	0	permanent	slow	clear	colourless	till	none	none	none	red-brown
105J_1989_1135	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1136	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1137	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1138	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1139	0	permanent	stagnant	clear	colourless	colluvial	none	none	red-brown	red-brown
105J_1989_1140	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1142	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1143	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1144	1	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1146	2	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1147	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1148	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1149	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1150	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1151	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1152	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1153	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1154	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1155	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1156	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1118	0	25,75,0
105J_1989_1119	0	0,100,0
105J_1989_1120	0	25,75,0
105J_1989_1122	0	25,75,0
105J_1989_1123	1	0,100,0
105J_1989_1124	2	0,100,0
105J_1989_1125	0	25,75,0
105J_1989_1126	0	25,75,0
105J_1989_1127	0	25,75,0
105J_1989_1128	0	50,50,0
105J_1989_1129	0	25,75,0
105J_1989_1131	0	0,100,0
105J_1989_1132	0	0,50,50
105J_1989_1133	0	25,75,0
105J_1989_1134	0	0,100,0
105J_1989_1135	0	25,75,0
105J_1989_1136	0	25,75,0
105J_1989_1137	0	25,75,0
105J_1989_1138	0	0,100,0
105J_1989_1139	0	50,50,0
105J_1989_1140	0	50,50,0
105J_1989_1142	0	0,100,0
105J_1989_1143	0	25,75,0
105J_1989_1144	1	25,75,0
105J_1989_1146	2	25,75,0
105J_1989_1147	0	50,50,0
105J_1989_1148	0	25,75,0
105J_1989_1149	0	25,75,0
105J_1989_1150	0	0,100,0
105J_1989_1151	0	0,75,25
105J_1989_1152	0	0,65,35
105J_1989_1153	0	25,75,0
105J_1989_1154	0	35,65,0
105J_1989_1155	0	25,75,0
105J_1989_1156	0	25,75,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1157	0	silt, water	-131.152887	62.896156	2.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1158	0	silt, water	-131.103353	62.882178	2.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1159	0	silt, water	-131.138090	62.865932	3.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1160	0	silt, water	-131.177893	62.847228	2.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1162	1	silt, water	-131.140280	62.846593	4.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1163	2	silt, water	-131.140280	62.846593	4.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1164	0	silt, water	-131.134656	62.830569	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1165	0	silt, water	-131.241720	62.163390	6.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1166	0	silt, water	-131.121023	62.163048	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1167	0	silt, water	-131.021779	62.172138	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1168	0	silt, water	-131.072494	62.198883	0.5	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1169	0	silt	-131.008605	62.204018	0.0	0.0	hilly, undulating	poorly defined	unknown	undefined
105J_1989_1170	0	silt, water	-130.997306	62.203257	2.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1171	0	silt, water	-130.962681	62.205664	2.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1172	0	silt, water	-130.957763	62.225327	5.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1174	0	silt, water	-130.865746	62.193114	2.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1175	0	silt, water	-130.835197	62.211687	1.0	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1176	0	silt, water	-130.807488	62.199849	1.0	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1177	0	silt, water	-130.771305	62.186660	0.5	0.5	hilly, undulating	poorly defined	ground	primary
105J_1989_1178	0	silt, water	-130.582400	62.165272	3.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1179	0	silt, water	-130.085480	62.113747	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1180	0	silt, water	-130.085987	62.128961	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1182	1	silt, water	-130.101978	62.155874	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1183	2	silt, water	-130.101978	62.155874	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1184	0	silt, water	-130.029779	62.163810	2.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1185	0	silt, water	-130.015753	62.124521	0.5	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1186	0	silt, water	-130.024666	62.099471	7.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1188	0	silt, water	-130.054253	62.068877	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1189	0	silt, water	-130.077572	62.048093	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1190	0	silt, water	-130.027018	62.030255	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1191	0	silt, water	-130.022585	62.006363	2.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1192	0	silt, water	-130.064172	62.019810	1.0	0.5	plain	poorly defined	unknown	undefined
105J_1989_1193	0	silt, water	-130.071999	62.022353	6.0	1.0	mountainous-mature	dendritic	ground	primary
105J_1989_1194	0	silt, water	-130.175235	62.015740	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1195	0	silt, water	-130.242343	62.021669	1.0	0.5	mountainous-mature	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1157	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1158	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1159	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1160	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1162	1	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1163	2	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1164	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1165	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1166	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1167	0	permanent	slow	clear	colourless	colluvial	none	none	red-brown	red-brown
105J_1989_1168	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1169	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1170	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1171	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1172	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1174	0	permanent	slow	clear	colourless	colluvial	none	none	red-brown	red-brown
105J_1989_1175	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1176	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1177	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1178	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1179	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1180	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1182	1	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1183	2	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1184	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1185	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1186	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1188	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1189	0	permanent	slow	clear	colourless	till	none	none	none	red-brown
105J_1989_1190	0	re-emergent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1191	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1192	0	undefined	torrential	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1193	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1194	0	permanent	slow	clear	colourless	till	none	none	none	red-brown
105J_1989_1195	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1157	0	25,75,0
105J_1989_1158	0	25,75,0
105J_1989_1159	0	25,75,0
105J_1989_1160	0	50,50,0
105J_1989_1162	1	0,75,25
105J_1989_1163	2	0,75,25
105J_1989_1164	0	0,25,75
105J_1989_1165	0	50,50,0
105J_1989_1166	0	0,100,0
105J_1989_1167	0	0,75,25
105J_1989_1168	0	0,50,50
105J_1989_1169	0	35,65,0
105J_1989_1170	0	0,100,0
105J_1989_1171	0	25,75,0
105J_1989_1172	0	0,25,75
105J_1989_1174	0	0,75,25
105J_1989_1175	0	0,75,25
105J_1989_1176	0	0,75,25
105J_1989_1177	0	0,75,25
105J_1989_1178	0	20,60,20
105J_1989_1179	0	0,25,75
105J_1989_1180	0	0,100,0
105J_1989_1182	1	0,75,25
105J_1989_1183	2	0,75,25
105J_1989_1184	0	25,75,0
105J_1989_1185	0	0,25,75
105J_1989_1186	0	0,75,25
105J_1989_1188	0	25,75,0
105J_1989_1189	0	0,100,0
105J_1989_1190	0	0,100,0
105J_1989_1191	0	25,75,0
105J_1989_1192	0	0,50,50
105J_1989_1193	0	25,75,0
105J_1989_1194	0	0,100,0
105J_1989_1195	0	25,75,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1196	0	silt, water	-130.262376	62.023238	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1197	0	silt, water	-130.317884	62.010742	6.0	2.0	mountainous-mature	dendritic	ground	primary
105J_1989_1198	0	silt, water	-130.424293	62.014649	2.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1199	0	silt, water	-130.529499	62.009957	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1200	0	silt, water	-130.428989	62.039021	2.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1202	1	silt, water	-130.354430	62.059399	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1204	2	silt, water	-130.354430	62.059399	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1205	0	silt, water	-130.313444	62.055324	3.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1206	0	silt, water	-130.213677	62.045563	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1207	0	silt, water	-130.140012	62.067451	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1208	0	silt, water	-130.126991	62.057934	0.5	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1209	0	silt, water	-130.257797	62.111784	3.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1210	0	silt, water	-130.244256	62.130724	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1211	0	silt, water	-130.333133	62.108258	1.0	0.5	mountainous-youthful	dendritic	ground	primary
105J_1989_1212	0	silt, water	-130.327780	62.130450	1.0	0.5	mountainous-youthful	dendritic	ground	primary
105J_1989_1213	0	silt, water	-130.344083	62.162981	3.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_1214	0	silt, water	-130.344429	62.175520	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1215	0	silt, water	-130.395681	62.170748	2.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1216	0	silt, water	-130.386014	62.149594	2.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1217	0	silt, water	-130.396641	62.140769	2.0	1.0	mountainous-youthful	dendritic	ground	primary
105J_1989_1218	0	silt, water	-130.461591	62.143384	2.0	0.3	mountainous-youthful	dendritic	ground	primary
105J_1989_1219	0	silt, water	-130.488300	62.166102	1.0	0.5	mountainous-youthful	dendritic	ground	primary
105J_1989_1220	0	silt, water	-130.511453	62.149860	3.0	1.0	mountainous-youthful	dendritic	ground	primary
105J_1989_1222	0	silt, water	-130.509497	62.137186	3.0	0.3	mountainous-youthful	dendritic	ground	primary
105J_1989_1223	0	silt, water	-130.516933	62.119391	0.5	0.2	mountainous-youthful	dendritic	ground	primary
105J_1989_1224	0	silt, water	-130.525970	62.080630	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1225	0	silt, water	-130.569181	62.059782	0.5	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1226	0	silt, water	-130.553381	62.058004	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1227	0	silt, water	-130.460055	62.078397	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1228	0	silt, water	-130.411181	62.078456	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1229	0	silt, water	-130.387031	62.084564	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1230	0	silt, water	-130.349265	62.081419	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1231	0	silt, water	-130.259013	62.072252	3.0	0.4	mountainous-mature	dendritic	ground	primary
105J_1989_1232	0	silt, water	-130.193767	62.077680	2.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1233	0	silt, water	-130.159092	62.093578	3.0	0.3	mountainous-mature	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1196	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1197	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1198	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1199	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1200	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1202	1	permanent	slow	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1204	2	permanent	slow	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1205	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1206	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1207	0	permanent	slow	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1208	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1209	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1210	0	permanent	stagnant	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1211	0	permanent	slow	clear	colourless	till	none	none	none	red-brown
105J_1989_1212	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1213	0	permanent	slow	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1214	0	permanent	slow	cloudy	brown	alluvial	none	none	none	red-brown
105J_1989_1215	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1216	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1217	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1218	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1219	0	permanent	slow	clear	colourless	till	none	none	none	red-brown
105J_1989_1220	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1222	0	permanent	moderate	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1223	0	permanent	slow	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1224	0	permanent	slow	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1225	0	permanent	slow	clear	brown	colluvial	none	none	none	black
105J_1989_1226	0	permanent	slow	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1227	0	permanent	moderate	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1228	0	permanent	slow	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1229	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1230	0	permanent	slow	cloudy	brown	colluvial	none	none	red-brown	red-brown
105J_1989_1231	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1232	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1233	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1196	0	25,75,0
105J_1989_1197	0	0,100,0
105J_1989_1198	0	25,75,0
105J_1989_1199	0	25,75,0
105J_1989_1200	0	0,100,0
105J_1989_1202	1	0,100,0
105J_1989_1204	2	0,100,0
105J_1989_1205	0	0,100,0
105J_1989_1206	0	25,75,0
105J_1989_1207	0	25,75,0
105J_1989_1208	0	0,100,0
105J_1989_1209	0	0,25,75
105J_1989_1210	0	0,75,25
105J_1989_1211	0	0,50,50
105J_1989_1212	0	0,50,50
105J_1989_1213	0	25,75,0
105J_1989_1214	0	20,60,20
105J_1989_1215	0	25,75,0
105J_1989_1216	0	25,75,0
105J_1989_1217	0	25,75,0
105J_1989_1218	0	25,75,0
105J_1989_1219	0	25,75,0
105J_1989_1220	0	25,75,0
105J_1989_1222	0	0,100,0
105J_1989_1223	0	0,50,50
105J_1989_1224	0	0,100,0
105J_1989_1225	0	0,25,75
105J_1989_1226	0	0,25,75
105J_1989_1227	0	25,75,0
105J_1989_1228	0	0,50,50
105J_1989_1229	0	0,25,75
105J_1989_1230	0	25,75,0
105J_1989_1231	0	25,75,0
105J_1989_1232	0	0,50,50
105J_1989_1233	0	25,75,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1234	0	silt, water	-130.455590	62.566415	5.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1235	1	silt, water	-130.416601	62.573459	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1236	2	silt, water	-130.416601	62.573459	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1237	0	silt, water	-130.327850	62.569860	4.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1238	0	silt, water	-130.324456	62.581939	3.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1239	0	silt, water	-130.196495	62.634056	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1242	0	silt, water	-130.174577	62.613845	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1243	1	silt, water	-130.147474	62.611403	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1244	2	silt, water	-130.147474	62.611403	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1245	0	silt, water	-130.048593	62.607142	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1246	0	silt, water	-130.028696	62.608690	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1247	0	silt, water	-130.009343	62.638319	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1248	0	silt, water	-130.058142	62.630787	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1250	0	silt, water	-130.090117	62.626475	3.5	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1251	0	silt, water	-130.083809	62.645968	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1252	0	silt, water	-130.080823	62.656638	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1253	0	silt, water	-130.068765	62.707638	3.0	1.0	mountainous-mature	dendritic	ground	primary
105J_1989_1254	0	silt, water	-130.037369	62.714329	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1255	0	silt, water	-130.025503	62.723985	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1256	0	silt, water	-130.016583	62.751869	2.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1257	0	silt, water	-130.002666	62.781979	0.1	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1258	0	silt, water	-130.069152	62.756785	0.1	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1259	0	silt, water	-130.119301	62.729957	0.1	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1260	0	silt, water	-130.161474	62.712351	0.3	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1262	0	silt, water	-130.163681	62.691390	0.1	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1264	0	silt, water	-130.236156	62.656037	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1265	1	silt, water	-130.261683	62.661115	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1266	2	silt, water	-130.261683	62.661115	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1267	0	silt, water	-130.296516	62.664083	2.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1268	0	silt, water	-130.320096	62.643009	2.0	0.3	mountainous-mature	trellis	ground	primary
105J_1989_1269	0	silt, water	-130.350774	62.628702	0.1	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1270	0	silt, water	-130.304659	62.621079	0.1	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1271	0	silt, water	-130.458638	62.620340	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1272	0	silt, water	-130.481633	62.635442	0.3	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1273	0	silt, water	-130.433121	62.638945	1.0	0.2	mountainous-mature	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1234	0	permanent	slow	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1235	1	permanent	slow	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1236	2	permanent	slow	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1237	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1238	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1239	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1242	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1243	1	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1244	2	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1245	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1246	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1247	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1248	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1250	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1251	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1252	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1253	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1254	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1255	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1256	0	permanent	moderate	clear	colourless	colluvial	none	red-brown	red-brown	red-brown
105J_1989_1257	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1258	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1259	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1260	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1262	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1264	0	re-emergent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1265	1	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1266	2	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1267	0	permanent	slow	clear	colourless	colluvial	none	none	red-brown	red-brown
105J_1989_1268	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1269	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1270	0	permanent	stagnant	cloudy	white	colluvial	none	none	none	red-brown
105J_1989_1271	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1272	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1273	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1234	0	0,100,0
105J_1989_1235	1	0,100,0
105J_1989_1236	2	0,100,0
105J_1989_1237	0	25,75,0
105J_1989_1238	0	0,100,0
105J_1989_1239	0	25,75,0
105J_1989_1242	0	0,75,25
105J_1989_1243	1	25,75,0
105J_1989_1244	2	25,75,0
105J_1989_1245	0	0,50,50
105J_1989_1246	0	25,75,0
105J_1989_1247	0	25,75,0
105J_1989_1248	0	25,75,0
105J_1989_1250	0	25,75,0
105J_1989_1251	0	0,75,25
105J_1989_1252	0	25,75,0
105J_1989_1253	0	0,50,50
105J_1989_1254	0	25,75,0
105J_1989_1255	0	0,50,50
105J_1989_1256	0	0,75,25
105J_1989_1257	0	0,100,0
105J_1989_1258	0	25,75,0
105J_1989_1259	0	25,75,0
105J_1989_1260	0	25,75,0
105J_1989_1262	0	25,75,0
105J_1989_1264	0	0,100,0
105J_1989_1265	1	0,100,0
105J_1989_1266	2	0,100,0
105J_1989_1267	0	25,75,0
105J_1989_1268	0	25,75,0
105J_1989_1269	0	25,75,0
105J_1989_1270	0	0,100,0
105J_1989_1271	0	0,75,25
105J_1989_1272	0	0,25,75
105J_1989_1273	0	25,75,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1274	0	silt, water	-130.399714	62.660568	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1275	0	silt, water	-130.364153	62.669574	0.5	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1276	0	silt, water	-130.451492	62.674801	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1277	0	silt, water	-130.456550	62.720381	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1278	0	silt, water	-130.413485	62.710651	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1279	0	silt	-130.391734	62.712959	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1280	0	silt, water	-130.351117	62.700474	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1282	1	silt, water	-130.326649	62.704451	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1283	2	silt, water	-130.326649	62.704451	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1284	0	silt, water	-130.284815	62.716520	1.0	0.0	mountainous-mature	dendritic	ground	primary
105J_1989_1285	0	silt, water	-130.278571	62.716388	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1286	0	silt, water	-130.323575	62.731376	3.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1287	0	silt, water	-130.317385	62.748733	2.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1288	0	silt, water	-130.312810	62.747555	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1289	0	silt, water	-130.217861	62.772110	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1290	0	silt	-130.086356	62.788557	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1291	0	silt, water	-130.061122	62.798768	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1292	0	silt, water	-130.146382	62.814337	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1294	0	silt, water	-130.101493	62.834850	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1295	0	silt, water	-130.053877	62.825394	2.0	0.2	mountainous-youthful	dendritic	ground	primary
105J_1989_1296	0	silt, water	-130.233407	62.802838	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1297	0	silt	-130.327131	62.797442	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1298	0	silt, water	-130.323968	62.779437	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1299	0	silt, water	-130.371525	62.761152	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1300	0	silt, water	-130.445890	62.767103	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1302	0	silt, water	-130.442589	62.765315	1.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1303	0	silt, water	-130.472130	62.781814	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1304	0	silt, water	-130.487476	62.775197	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1305	0	silt, water	-130.456995	62.757140	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1306	0	silt, water	-130.476744	62.745200	2.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1308	1	silt, water	-131.311561	62.882965	2.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1309	2	silt, water	-131.311561	62.882965	2.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1310	0	silt, water	-131.319108	62.899302	2.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1311	0	silt, water	-131.298335	62.899732	2.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1312	0	silt, water	-131.235298	62.905810	1.0	0.4	mountainous-mature	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1274	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1275	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1276	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1277	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1278	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1279	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	black
105J_1989_1280	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1282	1	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1283	2	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1284	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1285	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1286	0	permanent	fast	clear	colourless	till	none	none	none	red-brown
105J_1989_1287	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1288	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1289	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1290	0	intermittent	stagnant	clear	colourless	till	none	none	none	red-brown
105J_1989_1291	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1292	0	permanent	moderate	clear	brown	till	none	none	none	red-brown
105J_1989_1294	0	permanent	moderate	clear	brown	till	none	none	none	red-brown
105J_1989_1295	0	permanent	fast	clear	colourless	till	none	red-brown	red-brown	red-brown
105J_1989_1296	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1297	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1298	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1299	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1300	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1302	0	permanent	slow	clear	brown	colluvial	none	none	none	red-brown
105J_1989_1303	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1304	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1305	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1306	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1308	1	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1309	2	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1310	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1311	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1312	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1274	0	0,75,25
105J_1989_1275	0	25,75,0
105J_1989_1276	0	0,100,0
105J_1989_1277	0	50,50,0
105J_1989_1278	0	25,75,0
105J_1989_1279	0	0,25,75
105J_1989_1280	0	25,75,0
105J_1989_1282	1	25,75,0
105J_1989_1283	2	25,75,0
105J_1989_1284	0	25,75,0
105J_1989_1285	0	25,75,0
105J_1989_1286	0	25,75,0
105J_1989_1287	0	25,75,0
105J_1989_1288	0	25,75,0
105J_1989_1289	0	25,75,0
105J_1989_1290	0	25,75,0
105J_1989_1291	0	25,75,0
105J_1989_1292	0	0,25,75
105J_1989_1294	0	0,25,75
105J_1989_1295	0	0,100,0
105J_1989_1296	0	25,75,0
105J_1989_1297	0	0,25,75
105J_1989_1298	0	25,75,0
105J_1989_1299	0	25,75,0
105J_1989_1300	0	25,75,0
105J_1989_1302	0	25,75,0
105J_1989_1303	0	25,75,0
105J_1989_1304	0	25,75,0
105J_1989_1305	0	0,75,25
105J_1989_1306	0	25,75,0
105J_1989_1308	1	25,75,0
105J_1989_1309	2	25,75,0
105J_1989_1310	0	0,100,0
105J_1989_1311	0	25,50,25
105J_1989_1312	0	50,50,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1313	0	silt, water	-131.296430	62.931210	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1314	0	silt, water	-131.337635	62.937888	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1315	0	silt, water	-131.392187	62.946996	2.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1316	0	silt, water	-131.435219	62.936435	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1317	0	silt, water	-131.483941	62.930844	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1318	0	silt, water	-131.513786	62.970450	1.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1319	0	silt	-131.547476	62.975702	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1320	0	silt, water	-131.582884	62.981066	2.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1322	0	silt, water	-131.567971	62.992430	1.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1323	0	silt, water	-131.613518	62.985873	3.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1324	0	silt, water	-131.781454	62.997494	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1325	0	silt, water	-131.661651	62.992329	3.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1326	0	silt, water	-131.640796	62.984682	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1327	0	silt, water	-131.679903	62.963280	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1328	0	silt, water	-131.634381	62.943722	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1329	0	silt, water	-131.701412	62.952640	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1330	0	silt, water	-131.735468	62.941799	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1331	0	silt, water	-131.471491	62.977367	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1332	1	silt, water	-131.429633	62.988133	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1333	2	silt, water	-131.429633	62.988133	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1335	0	silt, water	-131.296454	62.966725	0.3	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1336	0	silt, water	-131.247480	62.972793	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1337	0	silt, water	-131.226269	62.979298	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1338	0	silt, water	-131.206519	62.979383	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1339	0	silt, water	-131.215518	62.971817	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1340	0	silt, water	-131.162365	62.976681	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1342	1	silt, water	-131.216222	62.936049	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1343	2	silt, water	-131.216222	62.936049	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1344	0	silt, water	-130.660153	62.311467	1.0	0.4	hilly, undulating	dendritic	ground	primary
105J_1989_1345	0	silt, water	-130.671638	62.333103	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1346	0	silt, water	-130.664051	62.333113	1.0	0.4	hilly, undulating	dendritic	ground	primary
105J_1989_1347	0	silt, water	-130.634082	62.330587	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1348	0	silt, water	-130.606490	62.362001	2.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_1349	0	silt, water	-130.694508	62.426202	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1350	0	silt, water	-130.648137	62.444813	1.0	0.3	hilly, undulating	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1313	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1314	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1315	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1316	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1317	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1318	0	permanent	slow	clear	colourless	colluvial	possible	none	red-brown	red-brown
105J_1989_1319	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1320	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1322	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1323	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1324	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1325	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1326	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1327	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1328	0	permanent	slow	clear	colourless	till	none	none	none	red-brown
105J_1989_1329	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1330	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1331	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1332	1	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1333	2	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1335	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1336	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1337	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1338	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1339	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1340	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1342	1	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1343	2	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1344	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1345	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1346	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1347	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1348	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1349	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1350	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1313	0	0,75,25
105J_1989_1314	0	0,100,0
105J_1989_1315	0	25,75,0
105J_1989_1316	0	25,75,0
105J_1989_1317	0	25,75,0
105J_1989_1318	0	25,75,0
105J_1989_1319	0	0,75,25
105J_1989_1320	0	25,75,0
105J_1989_1322	0	25,75,0
105J_1989_1323	0	0,100,0
105J_1989_1324	0	25,75,0
105J_1989_1325	0	25,75,0
105J_1989_1326	0	25,75,0
105J_1989_1327	0	25,75,0
105J_1989_1328	0	0,100,0
105J_1989_1329	0	25,75,0
105J_1989_1330	0	25,75,0
105J_1989_1331	0	25,75,0
105J_1989_1332	1	25,75,0
105J_1989_1333	2	25,75,0
105J_1989_1335	0	25,75,0
105J_1989_1336	0	25,75,0
105J_1989_1337	0	25,75,0
105J_1989_1338	0	25,75,0
105J_1989_1339	0	25,75,0
105J_1989_1340	0	50,50,0
105J_1989_1342	1	0,100,0
105J_1989_1343	2	0,100,0
105J_1989_1344	0	25,75,0
105J_1989_1345	0	25,75,0
105J_1989_1346	0	25,75,0
105J_1989_1347	0	25,75,0
105J_1989_1348	0	25,75,0
105J_1989_1349	0	25,75,0
105J_1989_1350	0	25,75,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1351	0	silt, water	-130.653261	62.472682	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1352	0	silt	-130.609485	62.489345	0.0	0.0	mountainous-mature	poorly defined	unknown	undefined
105J_1989_1354	0	silt, water	-130.565301	62.447249	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1355	0	silt, water	-130.545036	62.480442	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1356	0	silt, water	-130.410631	62.526270	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1357	0	silt, water	-130.456625	62.589567	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1358	0	silt, water	-130.531766	62.553911	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1359	0	silt, water	-130.582409	62.534402	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1360	0	silt, water	-130.568713	62.517176	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1362	0	silt, water	-130.624095	62.522853	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1363	0	silt, water	-130.693147	62.521423	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1364	0	silt, water	-130.738326	62.484092	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1365	0	silt, water	-130.729352	62.482597	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1366	1	silt, water	-130.706723	62.441064	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1367	2	silt, water	-130.706723	62.441064	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1368	0	silt	-130.771921	62.418909	0.0	0.0	mountainous-mature	dendritic	ground	primary
105J_1989_1369	0	silt, water	-130.768673	62.410780	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1370	0	silt, water	-130.830903	62.404893	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1371	0	silt, water	-130.882660	62.408899	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1372	0	silt, water	-130.857750	62.371763	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1373	0	silt, water	-130.771930	62.386595	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1374	0	silt	-130.682834	62.375544	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1375	0	silt, water	-130.668856	62.354676	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_1376	0	silt, water	-130.725170	62.336956	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1377	0	silt	-131.136151	62.680562	0.0	0.0	hilly, undulating	dendritic	spring melt	primary
105J_1989_1378	0	silt, water	-131.135667	62.718841	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1379	0	silt, water	-131.147243	62.745468	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1382	1	silt, water	-131.215784	62.742967	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1383	2	silt, water	-131.215784	62.742967	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1384	0	silt, water	-131.290756	62.745274	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1385	0	silt, water	-131.390912	62.740641	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1386	0	silt, water	-131.408138	62.727862	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1387	0	silt, water	-131.362532	62.760591	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1388	0	silt, water	-131.432072	62.762591	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1390	0	silt, water	-131.499483	62.740455	0.5	0.2	hilly, undulating	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1351	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1352	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1354	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1355	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1356	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1357	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1358	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1359	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1360	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1362	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1363	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1364	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1365	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1366	1	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1367	2	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1368	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1369	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1370	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1371	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1372	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1373	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1374	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1375	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1376	0	permanent	fast	clear	colourless	colluvial	none	none	none	
105J_1989_1377	0	intermittent	stagnant	clear	colourless	colluvial	probable	none	none	black
105J_1989_1378	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1379	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1382	1	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1383	2	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1384	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1385	0	permanent	stagnant	clear	brown	colluvial	none	none	none	black
105J_1989_1386	0	permanent	moderate	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1387	0	permanent	stagnant	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1388	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1390	0	permanent	stagnant	cloudy	brown	colluvial	none	none	none	red-brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1351	0	0,75,25
105J_1989_1352	0	50,50,0
105J_1989_1354	0	25,75,0
105J_1989_1355	0	25,75,0
105J_1989_1356	0	0,75,25
105J_1989_1357	0	0,25,75
105J_1989_1358	0	25,75,0
105J_1989_1359	0	25,75,0
105J_1989_1360	0	25,75,0
105J_1989_1362	0	50,50,0
105J_1989_1363	0	25,75,0
105J_1989_1364	0	25,75,0
105J_1989_1365	0	25,75,0
105J_1989_1366	1	0,100,0
105J_1989_1367	2	0,100,0
105J_1989_1368	0	0,75,25
105J_1989_1369	0	25,75,0
105J_1989_1370	0	25,75,0
105J_1989_1371	0	0,100,0
105J_1989_1372	0	0,100,0
105J_1989_1373	0	25,75,0
105J_1989_1374	0	25,75,0
105J_1989_1375	0	0,25,75
105J_1989_1376	0	25,75,0
105J_1989_1377	0	0,50,50
105J_1989_1378	0	0,75,25
105J_1989_1379	0	0,100,0
105J_1989_1382	1	0,50,50
105J_1989_1383	2	0,50,50
105J_1989_1384	0	50,50,0
105J_1989_1385	0	0,25,75
105J_1989_1386	0	25,75,0
105J_1989_1387	0	0,75,25
105J_1989_1388	0	0,75,25
105J_1989_1390	0	0,25,75

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1391	0	silt, water	-131.499316	62.735241	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1392	0	silt, water	-131.536355	62.718140	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1393	0	silt, water	-131.546407	62.722171	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1394	0	silt, water	-131.552400	62.728124	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1395	0	silt, water	-131.622635	62.719841	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1396	0	silt, water	-131.624446	62.709155	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1397	0	silt, water	-131.570042	62.678647	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1398	0	silt, water	-131.557102	62.693991	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1399	0	silt, water	-131.448872	62.700997	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1400	0	silt, water	-131.359443	62.675544	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1402	0	silt, water	-131.332338	62.693051	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1403	0	silt, water	-131.295824	62.698584	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1405	0	silt, water	-131.294634	62.702402	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1406	1	silt, water	-131.284935	62.694550	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1407	2	silt, water	-131.284935	62.694550	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1408	0	silt, water	-131.249316	62.693977	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1409	0	silt, water	-131.237690	62.690158	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1410	0	silt, water	-131.189712	62.690206	3.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1411	0	silt, water	-131.186550	62.681778	4.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1412	0	silt, water	-131.284131	62.655463	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1413	0	silt, water	-131.294152	62.655282	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1414	0	silt, water	-131.348150	62.643187	0.5	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1415	0	silt, water	-131.292871	62.642244	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1416	0	silt, water	-131.506751	62.815944	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1417	0	silt, water	-131.543218	62.827935	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1418	0	silt, water	-131.542292	62.847907	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1419	0	silt, water	-131.545761	62.871401	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1420	0	silt, water	-131.572820	62.911324	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1422	0	silt, water	-131.613208	62.885856	1.0	0.1	mountainous-youthful	dendritic	ground	primary
105J_1989_1423	0	silt, water	-131.650957	62.900319	1.0	0.1	mountainous-youthful	dendritic	ground	primary
105J_1989_1424	0	silt, water	-131.663834	62.917465	0.5	0.2	mountainous-youthful	dendritic	ground	primary
105J_1989_1425	1	silt, water	-131.657602	62.876727	1.5	0.1	mountainous-youthful	dendritic	ground	primary
105J_1989_1426	2	silt, water	-131.657602	62.876727	1.5	0.1	mountainous-youthful	dendritic	ground	primary
105J_1989_1427	0	silt, water	-131.691834	62.873966	0.5	0.1	mountainous-youthful	dendritic	ground	primary
105J_1989_1428	0	silt, water	-131.747232	62.879084	1.0	0.1	mountainous-youthful	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1391	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1392	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1393	0	permanent	stagnant	clear	brown	colluvial	none	none	none	black
105J_1989_1394	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1395	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1396	0	permanent	stagnant	clear	colourless	colluvial	none	none	red-brown	red-brown
105J_1989_1397	0	permanent	stagnant	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1398	0	permanent	stagnant	clear	colourless	alluvial	none	none	none	red-brown
105J_1989_1399	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1400	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1402	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1403	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1405	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1406	1	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1407	2	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1408	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1409	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1410	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1411	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1412	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1413	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1414	0	permanent	stagnant	clear	brown	organics	none	none	none	black
105J_1989_1415	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1416	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1417	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1418	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1419	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1420	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1422	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1423	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1424	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1425	1	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1426	2	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1427	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1428	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1391	0	25,75,0
105J_1989_1392	0	0,25,75
105J_1989_1393	0	0,50,50
105J_1989_1394	0	0,75,25
105J_1989_1395	0	0,100,0
105J_1989_1396	0	25,75,0
105J_1989_1397	0	0,75,25
105J_1989_1398	0	0,50,50
105J_1989_1399	0	25,50,25
105J_1989_1400	0	25,75,0
105J_1989_1402	0	25,75,0
105J_1989_1403	0	25,75,0
105J_1989_1405	0	25,75,0
105J_1989_1406	1	25,75,0
105J_1989_1407	2	25,75,0
105J_1989_1408	0	25,75,0
105J_1989_1409	0	0,100,0
105J_1989_1410	0	25,75,0
105J_1989_1411	0	25,75,0
105J_1989_1412	0	25,75,0
105J_1989_1413	0	25,75,0
105J_1989_1414	0	0,50,50
105J_1989_1415	0	25,75,0
105J_1989_1416	0	25,75,0
105J_1989_1417	0	25,75,0
105J_1989_1418	0	25,75,0
105J_1989_1419	0	25,75,0
105J_1989_1420	0	25,75,0
105J_1989_1422	0	25,75,0
105J_1989_1423	0	0,50,50
105J_1989_1424	0	25,75,0
105J_1989_1425	1	25,75,0
105J_1989_1426	2	25,75,0
105J_1989_1427	0	25,75,0
105J_1989_1428	0	25,75,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1430	0	silt, water	-131.794463	62.864520	1.0	0.2	mountainous-youthful	dendritic	ground	primary
105J_1989_1431	0	silt, water	-131.843478	62.850191	1.0	0.2	mountainous-youthful	dendritic	ground	primary
105J_1989_1432	0	silt, water	-131.817273	62.886458	2.0	0.2	mountainous-youthful	dendritic	ground	primary
105J_1989_1433	0	silt, water	-131.791737	62.905370	0.5	0.1	mountainous-youthful	dendritic	ground	primary
105J_1989_1434	0	silt, water	-131.713265	62.951353	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1435	0	silt, water	-131.864061	62.919620	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1436	0	silt, water	-131.871677	62.928376	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1437	0	silt, water	-131.855625	62.931719	0.5	0.1	plain	trellis	ground	primary
105J_1989_1438	0	silt, water	-131.873557	62.950757	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1439	0	silt, water	-131.874361	62.952510	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1440	0	silt, water	-131.945550	62.953691	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1442	1	silt, water	-131.932639	62.990985	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1443	2	silt, water	-131.932639	62.990985	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1444	0	silt, water	-131.951223	62.986269	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1445	0	silt, water	-131.976381	62.951732	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1446	0	silt, water	-131.998630	62.932856	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1447	0	silt, water	-131.957568	62.930507	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1448	0	silt, water	-131.949746	62.893338	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1449	0	silt, water	-131.947216	62.892646	1.0	0.2	mountainous-youthful	dendritic	ground	primary
105J_1989_1450	0	silt, water	-131.943175	62.893575	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1451	0	silt, water	-131.928062	62.823349	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1452	0	silt	-131.961641	62.810033	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1453	0	silt, water	-131.905475	62.818150	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1454	0	silt, water	-131.127659	62.757098	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1455	0	silt, water	-131.169259	62.797292	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1456	0	silt, water	-131.223989	62.818931	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1457	0	silt, water	-131.233876	62.840586	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1458	0	silt, water	-131.309895	62.835003	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1459	0	silt, water	-131.293094	62.845237	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1462	1	silt, water	-131.253028	62.875697	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1463	2	silt, water	-131.253028	62.875697	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1464	0	silt	-131.369333	62.855055	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1465	0	silt, water	-131.424199	62.851113	0.3	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1466	0	silt, water	-131.411582	62.882968	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1467	0	silt, water	-131.415233	62.883588	1.5	0.1	mountainous-mature	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1430	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1431	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1432	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1433	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1434	0	permanent	slow	clear	colourless	colluvial	none	none	red-brown	red-brown
105J_1989_1435	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1436	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1437	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1438	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1439	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1440	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1442	1	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1443	2	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1444	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1445	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1446	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1447	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1448	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1449	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1450	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1451	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1452	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1453	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1454	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1455	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	black
105J_1989_1456	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1457	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1458	0	permanent	moderate	clear	colourless	colluvial	none	none	none	black
105J_1989_1459	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1462	1	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1463	2	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1464	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1465	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1466	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1467	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1430	0	25,75,0
105J_1989_1431	0	25,75,0
105J_1989_1432	0	0,100,0
105J_1989_1433	0	25,75,0
105J_1989_1434	0	25,75,0
105J_1989_1435	0	25,75,0
105J_1989_1436	0	25,75,0
105J_1989_1437	0	25,75,0
105J_1989_1438	0	25,75,0
105J_1989_1439	0	0,100,0
105J_1989_1440	0	25,75,0
105J_1989_1442	1	25,75,0
105J_1989_1443	2	25,75,0
105J_1989_1444	0	25,75,0
105J_1989_1445	0	25,75,0
105J_1989_1446	0	25,75,0
105J_1989_1447	0	0,75,25
105J_1989_1448	0	25,75,0
105J_1989_1449	0	25,75,0
105J_1989_1450	0	25,75,0
105J_1989_1451	0	25,75,0
105J_1989_1452	0	25,75,0
105J_1989_1453	0	25,75,0
105J_1989_1454	0	25,75,0
105J_1989_1455	0	0,50,50
105J_1989_1456	0	0,100,0
105J_1989_1457	0	25,75,0
105J_1989_1458	0	25,50,25
105J_1989_1459	0	25,75,0
105J_1989_1462	1	25,75,0
105J_1989_1463	2	25,75,0
105J_1989_1464	0	25,75,0
105J_1989_1465	0	0,50,50
105J_1989_1466	0	25,75,0
105J_1989_1467	0	25,75,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1468	0	silt, water	-131.486984	62.915614	0.5	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1469	0	silt, water	-131.472333	62.889495	0.3	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1471	0	silt	-131.473301	62.868274	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1472	0	silt, water	-131.479642	62.832266	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1473	0	silt, water	-131.610727	62.809463	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1474	0	silt, water	-131.649527	62.798524	0.3	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1475	0	silt, water	-131.696278	62.796773	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_1476	0	silt, water	-131.742769	62.787843	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1477	0	silt, water	-131.699432	62.834417	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1478	0	silt, water	-131.793996	62.825681	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1479	0	silt, water	-131.865598	62.802432	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1480	0	silt, water	-131.869293	62.792817	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1482	1	silt, water	-131.842240	62.785893	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1483	2	silt, water	-131.842240	62.785893	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1484	0	silt, water	-131.786649	62.769618	2.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1485	0	silt, water	-131.594135	62.772812	2.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1486	0	silt, water	-131.387894	62.814232	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1487	0	silt, water	-131.340087	62.793798	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1488	0	silt, water	-131.309726	62.790061	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1489	0	silt, water	-131.239390	62.777514	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1490	0	silt, water	-131.219553	62.787940	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1491	0	silt, water	-131.049080	62.478150	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1492	0	silt, water	-131.015208	62.475977	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1493	0	silt, water	-131.003806	62.457249	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1494	0	silt, water	-131.024590	62.448894	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1495	0	silt, water	-131.024216	62.403499	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1496	0	silt, water	-131.043353	62.352788	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1497	0	silt, water	-131.079659	62.297158	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1498	0	silt, water	-131.150387	62.300104	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1499	0	silt, water	-131.378472	62.171490	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1502	0	silt, water	-131.380376	62.169805	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1503	1	silt, water	-131.468353	62.150015	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1504	2	silt, water	-131.468353	62.150015	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1505	0	silt, water	-131.520485	62.120848	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1506	0	silt, water	-131.577986	62.115019	1.0	0.3	hilly, undulating	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1468	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1469	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1471	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1472	0	permanent	moderate	clear	colourless	colluvial	none	none	none	black
105J_1989_1473	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	black
105J_1989_1474	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	black
105J_1989_1475	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1476	0	permanent	stagnant	clear	colourless	organics	none	none	none	red-brown
105J_1989_1477	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1478	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1479	0	permanent	moderate	clear	colourless	till	none	none	none	black
105J_1989_1480	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1482	1	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1483	2	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1484	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1485	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1486	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1487	0	permanent	stagnant	clear	colourless	organics	none	none	none	red-brown
105J_1989_1488	0	permanent	stagnant	clear	colourless	organics	none	none	none	red-brown
105J_1989_1489	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1490	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1491	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1492	0	permanent	slow	clear	colourless	organics	none	none	none	black
105J_1989_1493	0	permanent	stagnant	clear	colourless	organics	none	none	none	black
105J_1989_1494	0	permanent	stagnant	clear	colourless	organics	none	none	none	black
105J_1989_1495	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1496	0	permanent	stagnant	clear	colourless	organics	none	none	none	black
105J_1989_1497	0	permanent	stagnant	clear	colourless	organics	none	none	none	black
105J_1989_1498	0	permanent	stagnant	clear	colourless	organics	none	none	none	black
105J_1989_1499	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1502	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1503	1	permanent	stagnant	clear	colourless	organics	none	none	none	black
105J_1989_1504	2	permanent	stagnant	clear	colourless	organics	none	none	none	black
105J_1989_1505	0	permanent	stagnant	clear	colourless	organics	none	none	none	black
105J_1989_1506	0	permanent	slow	clear	colourless	colluvial	none	none	none	black

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1468	0	25,75,0
105J_1989_1469	0	50,50,0
105J_1989_1471	0	25,75,0
105J_1989_1472	0	25,75,0
105J_1989_1473	0	0,50,50
105J_1989_1474	0	0,25,75
105J_1989_1475	0	0,75,25
105J_1989_1476	0	0,50,50
105J_1989_1477	0	25,75,0
105J_1989_1478	0	0,100,0
105J_1989_1479	0	0,75,25
105J_1989_1480	0	50,50,0
105J_1989_1482	1	0,100,0
105J_1989_1483	2	0,100,0
105J_1989_1484	0	0,100,0
105J_1989_1485	0	25,75,0
105J_1989_1486	0	25,75,0
105J_1989_1487	0	0,50,50
105J_1989_1488	0	0,25,75
105J_1989_1489	0	25,75,0
105J_1989_1490	0	25,75,0
105J_1989_1491	0	25,75,0
105J_1989_1492	0	0,50,50
105J_1989_1493	0	0,50,50
105J_1989_1494	0	0,75,25
105J_1989_1495	0	25,75,0
105J_1989_1496	0	0,75,25
105J_1989_1497	0	0,75,25
105J_1989_1498	0	0,50,50
105J_1989_1499	0	0,75,25
105J_1989_1502	0	0,75,25
105J_1989_1503	1	0,75,25
105J_1989_1504	2	0,75,25
105J_1989_1505	0	0,75,25
105J_1989_1506	0	0,75,25

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1507	0	silt	-130.791526	62.877923	0.0	0.0	hilly, undulating	trellis	unknown	primary
105J_1989_1508	0	silt, water	-130.715835	62.888068	1.0	0.2	hilly, undulating	trellis	ground	primary
105J_1989_1509	0	silt, water	-130.654574	62.893263	1.0	0.2	hilly, undulating	trellis	ground	primary
105J_1989_1510	0	silt, water	-130.588772	62.901095	1.0	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1511	0	silt, water	-130.539822	62.929505	0.5	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1513	0	silt, water	-130.514010	62.925574	1.0	0.2	hilly, undulating	trellis	ground	primary
105J_1989_1514	0	silt, water	-130.479755	62.937618	0.5	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1515	0	silt, water	-130.482864	62.939093	1.0	0.2	hilly, undulating	trellis	ground	primary
105J_1989_1516	0	silt, water	-130.496309	62.947291	0.5	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1517	0	silt	-130.464562	62.965569	0.0	0.0	hilly, undulating	trellis	unknown	primary
105J_1989_1518	0	silt, water	-130.470261	62.986732	0.5	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1519	0	silt, water	-130.469718	62.989682	0.5	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1520	0	silt, water	-130.447251	62.915055	1.0	0.2	mountainous-youthful	dendritic	glacier	primary
105J_1989_1522	1	silt, water	-130.395845	62.910555	2.0	0.2	mountainous-youthful	trellis	glacier	primary
105J_1989_1523	2	silt, water	-130.395845	62.910555	2.0	0.2	mountainous-youthful	trellis	glacier	primary
105J_1989_1524	0	silt, water	-130.440392	62.899684	1.0	0.2	mountainous-youthful	trellis	glacier	primary
105J_1989_1525	0	silt, water	-130.408691	62.896432	0.5	0.1	mountainous-youthful	trellis	ground	primary
105J_1989_1526	0	silt, water	-130.396523	62.895009	0.5	0.1	mountainous-youthful	trellis	ground	primary
105J_1989_1527	0	silt, water	-130.335656	62.881776	0.5	0.2	mountainous-youthful	dendritic	glacier	primary
105J_1989_1528	0	silt, water	-130.495839	62.867451	0.5	0.1	mountainous-youthful	dendritic	ground	primary
105J_1989_1530	0	silt, water	-130.537559	62.867208	1.0	0.3	mountainous-youthful	trellis	ground	primary
105J_1989_1531	0	silt, water	-130.566709	62.840260	1.0	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1532	0	silt, water	-130.576165	62.829076	0.5	0.2	hilly, undulating	trellis	ground	primary
105J_1989_1533	0	silt, water	-130.549507	62.820169	2.0	0.5	hilly, undulating	trellis	ground	primary
105J_1989_1534	0	silt, water	-130.677287	62.849004	0.5	0.2	hilly, undulating	trellis	ground	primary
105J_1989_1535	0	silt, water	-130.609988	62.819706	0.5	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1536	0	silt, water	-130.586430	62.791533	0.4	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1537	0	silt, water	-130.548029	62.788684	1.0	0.3	hilly, undulating	trellis	ground	primary
105J_1989_1538	0	silt, water	-130.600463	62.784927	1.0	0.2	hilly, undulating	trellis	ground	primary
105J_1989_1539	0	silt, water	-130.608954	62.779606	0.5	0.2	hilly, undulating	trellis	ground	primary
105J_1989_1540	0	silt, water	-130.615527	62.766862	0.5	0.2	hilly, undulating	trellis	ground	primary
105J_1989_1542	1	silt, water	-130.481995	62.832244	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1544	2	silt, water	-130.481995	62.832244	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1545	0	silt, water	-130.444231	62.855691	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1546	0	silt, water	-130.444866	62.833403	1.0	0.3	mountainous-mature	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1507	0	intermittent	stagnant	clear	colourless	colluvial	possible	none	none	red-brown
105J_1989_1508	0	permanent	slow	clear	colourless	colluvial	possible	none	none	red-brown
105J_1989_1509	0	permanent	slow	clear	colourless	colluvial	possible	none	none	red-brown
105J_1989_1510	0	permanent	slow	clear	colourless	colluvial	possible	none	none	red-brown
105J_1989_1511	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1513	0	permanent	slow	clear	colourless	colluvial	possible	none	none	red-brown
105J_1989_1514	0	permanent	slow	clear	colourless	colluvial	possible	none	none	red-brown
105J_1989_1515	0	permanent	moderate	clear	colourless	colluvial	possible	none	none	red-brown
105J_1989_1516	0	permanent	stagnant	cloudy	brown	colluvial	none	none	none	red-brown
105J_1989_1517	0	intermittent	stagnant	clear	colourless	colluvial	possible	none	none	black
105J_1989_1518	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1519	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1520	0	permanent	fast	clear	colourless	till	none	none	none	red-brown
105J_1989_1522	1	permanent	fast	clear	colourless	glacial outwash	none	none	none	red-brown
105J_1989_1523	2	permanent	fast	clear	colourless	glacial outwash	none	none	none	red-brown
105J_1989_1524	0	permanent	fast	clear	colourless	till	none	none	none	red-brown
105J_1989_1525	0	permanent	slow	clear	colourless	till	none	none	none	red-brown
105J_1989_1526	0	permanent	moderate	clear	colourless	bare rock	none	none	none	red-brown
105J_1989_1527	0	permanent	fast	clear	colourless	bare rock	none	red-brown	none	red-brown
105J_1989_1528	0	permanent	stagnant	cloudy	brown	organics	none	none	none	black
105J_1989_1530	0	permanent	slow	clear	colourless	till	none	none	none	red-brown
105J_1989_1531	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1532	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1533	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1534	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1535	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1536	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1537	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1538	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1539	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1540	0	permanent	stagnant	clear	colourless	organics	none	none	none	black
105J_1989_1542	1	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1544	2	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1545	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1546	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1507	0	25,75,0
105J_1989_1508	0	25,75,0
105J_1989_1509	0	25,75,0
105J_1989_1510	0	25,75,0
105J_1989_1511	0	25,75,0
105J_1989_1513	0	25,75,0
105J_1989_1514	0	0,75,25
105J_1989_1515	0	25,75,0
105J_1989_1516	0	0,75,25
105J_1989_1517	0	0,25,75
105J_1989_1518	0	25,75,0
105J_1989_1519	0	25,75,0
105J_1989_1520	0	25,75,0
105J_1989_1522	1	25,75,0
105J_1989_1523	2	25,75,0
105J_1989_1524	0	25,75,0
105J_1989_1525	0	0,25,75
105J_1989_1526	0	25,75,0
105J_1989_1527	0	0,100,0
105J_1989_1528	0	0,50,50
105J_1989_1530	0	25,75,0
105J_1989_1531	0	25,75,0
105J_1989_1532	0	25,75,0
105J_1989_1533	0	25,75,0
105J_1989_1534	0	25,75,0
105J_1989_1535	0	25,75,0
105J_1989_1536	0	0,50,50
105J_1989_1537	0	0,50,50
105J_1989_1538	0	25,75,0
105J_1989_1539	0	25,75,0
105J_1989_1540	0	0,50,50
105J_1989_1542	1	0,100,0
105J_1989_1544	2	0,100,0
105J_1989_1545	0	25,75,0
105J_1989_1546	0	25,75,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1547	0	silt, water	-130.407070	62.831335	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1548	0	silt, water	-130.360871	62.868247	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_1549	0	silt, water	-130.392646	62.811549	0.5	0.1	mountainous-mature	trellis	ground	primary
105J_1989_1550	0	silt, water	-130.361027	62.816383	0.3	0.1	mountainous-mature	trellis	ground	primary
105J_1989_1551	0	silt, water	-130.320003	62.825698	0.3	0.1	mountainous-mature	trellis	ground	primary
105J_1989_1552	0	silt, water	-130.278991	62.881591	0.3	0.2	mountainous-youthful	dendritic	ground	primary
105J_1989_1553	0	silt, water	-130.289327	62.849996	2.0	0.2	mountainous-youthful	dendritic	ground	primary
105J_1989_1554	0	silt, water	-130.243099	62.833589	0.5	0.2	mountainous-youthful	dendritic	glacier	primary
105J_1989_1555	0	silt, water	-130.179955	62.855048	1.0	0.2	mountainous-youthful	dendritic	glacier	primary
105J_1989_1556	0	silt, water	-130.149892	62.859525	1.0	0.2	mountainous-youthful	dendritic	glacier	primary
105J_1989_1557	0	silt, water	-130.108243	62.872274	1.0	0.2	mountainous-youthful	dendritic	glacier	primary
105J_1989_1558	0	silt, water	-130.095680	62.872283	0.5	0.2	mountainous-youthful	dendritic	glacier	primary
105J_1989_1559	0	silt, water	-130.016422	62.895210	1.0	0.2	mountainous-youthful	trellis	glacier	primary
105J_1989_1560	0	silt, water	-130.005248	62.914761	1.0	0.1	mountainous-youthful	dendritic	glacier	primary
105J_1989_1562	1	silt, water	-130.043387	62.916548	1.0	0.1	mountainous-youthful	dendritic	glacier	primary
105J_1989_1563	2	silt, water	-130.043387	62.916548	1.0	0.1	mountainous-youthful	dendritic	glacier	primary
105J_1989_1564	0	silt, water	-130.105582	62.941065	1.0	0.1	mountainous-youthful	dendritic	glacier	primary
105J_1989_1565	0	silt, water	-130.116633	62.943077	2.0	0.1	mountainous-youthful	dendritic	glacier	primary
105J_1989_1566	0	silt, water	-130.151519	62.958237	2.0	0.2	mountainous-youthful	dendritic	glacier	primary
105J_1989_1567	0	silt, water	-130.144492	62.972145	0.5	0.2	mountainous-youthful	dendritic	glacier	primary
105J_1989_1568	0	silt, water	-130.045010	62.972046	3.0	0.3	mountainous-youthful	dendritic	glacier	primary
105J_1989_1569	0	silt, water	-130.027664	62.983106	2.0	0.2	mountainous-youthful	dendritic	glacier	primary
105J_1989_1570	0	silt, water	-130.036193	62.995997	2.0	0.3	mountainous-youthful	trellis	glacier	primary
105J_1989_1572	0	silt, water	-130.105467	62.995499	1.0	0.2	mountainous-youthful	trellis	glacier	primary
105J_1989_1573	0	silt, water	-130.201846	62.970492	2.0	0.2	mountainous-youthful	trellis	glacier	primary
105J_1989_1574	0	silt, water	-130.251232	62.953331	2.0	0.1	mountainous-youthful	dendritic	glacier	primary
105J_1989_1575	0	silt, water	-130.266481	62.976794	3.0	0.1	mountainous-youthful	dendritic	glacier	primary
105J_1989_1576	0	silt, water	-130.315437	62.960710	3.0	0.1	mountainous-youthful	dendritic	glacier	primary
105J_1989_1577	0	silt, water	-130.391244	62.940943	1.0	0.1	mountainous-youthful	trellis	glacier	primary
105J_1989_1578	0	silt, water	-131.057705	62.711727	1.0	0.1	mountainous-youthful	trellis	ground	primary
105J_1989_1579	0	silt, water	-131.038491	62.729758	1.0	0.2	mountainous-youthful	trellis	ground	primary
105J_1989_1580	0	silt, water	-130.960031	62.702200	0.5	0.3	hilly, undulating	trellis	ground	primary
105J_1989_1582	1	silt, water	-130.956464	62.744610	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1583	2	silt, water	-130.956464	62.744610	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1584	0	silt, water	-130.877514	62.713968	1.0	0.2	mountainous-mature	trellis	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1547	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1548	0	permanent	fast	clear	colourless	till	none	none	none	red-brown
105J_1989_1549	0	permanent	slow	clear	colourless	colluvial	none	red-brown	none	red-brown
105J_1989_1550	0	permanent	slow	clear	colourless	till	none	none	none	grey, blue-grey
105J_1989_1551	0	permanent	slow	clear	colourless	till	none	none	none	grey, blue-grey
105J_1989_1552	0	permanent	fast	clear	colourless	bare rock	none	none	none	red-brown
105J_1989_1553	0	permanent	fast	clear	colourless	bare rock	none	none	none	red-brown
105J_1989_1554	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1555	0	permanent	fast	clear	colourless	till	none	none	none	red-brown
105J_1989_1556	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1557	0	permanent	fast	clear	colourless	glacial outwash	none	none	none	red-brown
105J_1989_1558	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1559	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1560	0	permanent	fast	clear	colourless	bare rock	none	none	none	red-brown
105J_1989_1562	1	permanent	fast	clear	colourless	glacial outwash	none	none	none	red-brown
105J_1989_1563	2	permanent	fast	clear	colourless	glacial outwash	none	none	none	red-brown
105J_1989_1564	0	permanent	fast	clear	colourless	glacial outwash	none	none	none	red-brown
105J_1989_1565	0	permanent	fast	clear	colourless	glacial outwash	none	none	none	red-brown
105J_1989_1566	0	permanent	torrential	clear	colourless	bare rock	none	none	none	red-brown
105J_1989_1567	0	permanent	moderate	clear	colourless	glacial outwash	none	none	none	red-brown
105J_1989_1568	0	permanent	torrential	clear	colourless	glacial outwash	none	none	none	red-brown
105J_1989_1569	0	permanent	fast	clear	colourless	glacial outwash	none	none	none	red-brown
105J_1989_1570	0	permanent	fast	clear	colourless	glacial outwash	none	none	none	grey, blue-grey
105J_1989_1572	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1573	0	permanent	torrential	clear	colourless	till	none	none	none	red-brown
105J_1989_1574	0	permanent	fast	clear	colourless	till	none	none	none	red-brown
105J_1989_1575	0	permanent	fast	clear	colourless	till	none	buff-white	buff-white	red-brown
105J_1989_1576	0	permanent	fast	clear	colourless	glacial outwash	none	none	none	red-brown
105J_1989_1577	0	permanent	torrential	clear	colourless	till	none	none	none	black
105J_1989_1578	0	permanent	moderate	clear	colourless	colluvial	possible	none	none	red-brown
105J_1989_1579	0	permanent	slow	clear	brown	colluvial	possible	none	red-brown	red-brown
105J_1989_1580	0	permanent	stagnant	clear	brown	organics	none	none	red-brown	red-brown
105J_1989_1582	1	permanent	stagnant	clear	colourless	organics	none	none	none	red-brown
105J_1989_1583	2	permanent	stagnant	clear	colourless	organics	none	none	none	red-brown
105J_1989_1584	0	permanent	slow	clear	colourless	colluvial	none	none	none	black

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1547	0	25,75,0
105J_1989_1548	0	0,75,25
105J_1989_1549	0	50,50,0
105J_1989_1550	0	25,75,0
105J_1989_1551	0	0,75,25
105J_1989_1552	0	0,100,0
105J_1989_1553	0	0,100,0
105J_1989_1554	0	0,75,25
105J_1989_1555	0	25,75,0
105J_1989_1556	0	0,75,25
105J_1989_1557	0	0,100,0
105J_1989_1558	0	0,100,0
105J_1989_1559	0	25,75,0
105J_1989_1560	0	25,75,0
105J_1989_1562	1	50,50,0
105J_1989_1563	2	50,50,0
105J_1989_1564	0	25,75,0
105J_1989_1565	0	25,75,0
105J_1989_1566	0	50,50,0
105J_1989_1567	0	25,75,0
105J_1989_1568	0	0,100,0
105J_1989_1569	0	0,100,0
105J_1989_1570	0	25,75,0
105J_1989_1572	0	0,100,0
105J_1989_1573	0	0,100,0
105J_1989_1574	0	50,50,0
105J_1989_1575	0	25,75,0
105J_1989_1576	0	25,75,0
105J_1989_1577	0	20,60,20
105J_1989_1578	0	25,75,0
105J_1989_1579	0	25,75,0
105J_1989_1580	0	25,75,0
105J_1989_1582	1	0,50,50
105J_1989_1583	2	0,50,50
105J_1989_1584	0	0,75,25

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1585	0	silt, water	-130.860015	62.748859	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1586	0	silt, water	-130.764176	62.715216	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1587	0	silt, water	-130.738462	62.727928	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1588	0	silt, water	-130.768002	62.741932	1.0	0.4	hilly, undulating	trellis	ground	primary
105J_1989_1589	0	silt, water	-130.778202	62.748133	0.5	0.2	hilly, undulating	trellis	ground	primary
105J_1989_1590	0	silt, water	-130.787687	62.797725	0.5	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1591	0	silt, water	-130.785135	62.820318	1.0	0.3	hilly, undulating	trellis	ground	primary
105J_1989_1593	0	silt, water	-130.771518	62.837029	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1594	0	silt, water	-130.737078	62.826165	0.5	0.2	hilly, undulating	trellis	ground	primary
105J_1989_1595	0	silt, water	-130.655911	62.798058	1.0	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1596	0	silt, water	-130.665366	62.789075	0.5	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1597	0	silt, water	-130.669500	62.769303	0.5	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1598	0	silt, water	-130.626782	62.576440	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1599	0	silt, water	-130.651428	62.550859	0.3	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1600	0	silt, water	-130.721387	62.562639	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1602	1	silt, water	-130.757559	62.535927	0.5	0.1	mountainous-mature	trellis	ground	primary
105J_1989_1603	2	silt, water	-130.757559	62.535927	0.5	0.1	mountainous-mature	trellis	ground	primary
105J_1989_1604	0	silt, water	-130.810587	62.505083	0.5	0.1	mountainous-mature	trellis	ground	primary
105J_1989_1605	0	silt, water	-130.873740	62.528870	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1606	0	silt, water	-130.948993	62.548420	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1607	0	silt, water	-131.033160	62.519132	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1608	0	silt, water	-130.970887	62.512420	0.5	0.1	hilly, undulating	trellis	ground	primary
105J_1989_1610	0	silt, water	-130.924775	62.514913	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1611	0	silt, water	-130.966915	62.490738	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1612	0	silt, water	-130.911995	62.473992	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1613	0	silt, water	-130.862197	62.480305	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1614	0	silt, water	-130.839236	62.451168	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1615	0	silt, water	-130.868211	62.442666	0.8	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1616	0	silt, water	-130.940590	62.422514	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1617	0	silt, water	-130.895883	62.399426	1.0	0.4	hilly, undulating	dendritic	ground	primary
105J_1989_1618	0	silt, water	-131.201007	62.394608	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_1619	0	silt, water	-130.955314	62.378605	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1620	0	silt, water	-130.920552	62.355169	1.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1622	1	silt, water	-130.945650	62.325824	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1623	2	silt, water	-130.945650	62.325824	0.5	0.1	hilly, undulating	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1585	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1586	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1587	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1588	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1589	0	permanent	slow	clear	colourless	organics	none	none	none	red-brown
105J_1989_1590	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1591	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1593	0	permanent	fast	clear	colourless	colluvial	none	none	none	black
105J_1989_1594	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1595	0	permanent	fast	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1596	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1597	0	permanent	slow	clear	colourless	organics	none	none	none	black
105J_1989_1598	0	permanent	slow	clear	colourless	colluvial	none	none	red-brown	red-brown
105J_1989_1599	0	permanent	slow	clear	brown	colluvial	none	none	red-brown	red-brown
105J_1989_1600	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1602	1	permanent	slow	cloudy	brown	colluvial	none	none	red-brown	black
105J_1989_1603	2	permanent	slow	cloudy	brown	colluvial	none	none	red-brown	black
105J_1989_1604	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1605	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1606	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1607	0	permanent	slow	clear	colourless	colluvial	none	none	none	black
105J_1989_1608	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1610	0	permanent	slow	clear	colourless	organics	none	none	none	red-brown
105J_1989_1611	0	permanent	slow	clear	colourless	organics	none	none	none	red-brown
105J_1989_1612	0	permanent	slow	clear	colourless	organics	none	none	none	red-brown
105J_1989_1613	0	permanent	slow	clear	brown	organics	none	none	none	red-brown
105J_1989_1614	0	permanent	slow	clear	colourless	organics	none	none	none	red-brown
105J_1989_1615	0	permanent	slow	clear	colourless	organics	none	none	none	red-brown
105J_1989_1616	0	permanent	slow	clear	colourless	organics	none	none	none	black
105J_1989_1617	0	permanent	slow	clear	colourless	organics	none	none	none	red-brown
105J_1989_1618	0	permanent	slow	clear	colourless	organics	none	none	none	red-brown
105J_1989_1619	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1620	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1622	1	permanent	slow	clear	colourless	organics	none	none	none	red-brown
105J_1989_1623	2	permanent	slow	clear	colourless	organics	none	none	none	

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1585	0	25,75,0
105J_1989_1586	0	0,75,25
105J_1989_1587	0	0,100,0
105J_1989_1588	0	0,75,25
105J_1989_1589	0	0,100,0
105J_1989_1590	0	0,75,25
105J_1989_1591	0	50,50,0
105J_1989_1593	0	20,60,20
105J_1989_1594	0	0,100,0
105J_1989_1595	0	50,50,0
105J_1989_1596	0	0,50,50
105J_1989_1597	0	0,25,75
105J_1989_1598	0	25,75,0
105J_1989_1599	0	25,75,0
105J_1989_1600	0	50,50,0
105J_1989_1602	1	0,50,50
105J_1989_1603	2	0,50,50
105J_1989_1604	0	0,100,0
105J_1989_1605	0	0,100,0
105J_1989_1606	0	25,75,0
105J_1989_1607	0	0,25,75
105J_1989_1608	0	25,75,0
105J_1989_1610	0	50,50,0
105J_1989_1611	0	50,50,0
105J_1989_1612	0	0,100,0
105J_1989_1613	0	0,25,75
105J_1989_1614	0	0,25,75
105J_1989_1615	0	25,75,0
105J_1989_1616	0	0,25,75
105J_1989_1617	0	0,100,0
105J_1989_1618	0	0,100,0
105J_1989_1619	0	20,60,20
105J_1989_1620	0	25,75,0
105J_1989_1622	1	0,75,25
105J_1989_1623	2	0,75,25

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_1624	0	silt	-130.813124	62.348981	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1625	0	silt	-130.772434	62.350556	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1626	0	silt	-130.828305	62.326972	0.0	0.0	mountainous-mature	dendritic	unknown	primary
105J_1989_1627	0	silt, water	-130.785934	62.316640	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_1628	0	silt, water	-130.740034	62.300460	0.8	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1629	0	silt, water	-130.825578	62.261297	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1631	0	silt, water	-130.838382	62.272272	0.0	0.0	hilly, undulating	dendritic	ground	primary
105J_1989_1632	0	silt, water	-130.829916	62.289965	0.0	0.0	hilly, undulating	dendritic	ground	primary
105J_1989_1633	0	silt, water	-130.845658	62.310561	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1634	0	silt, water	-130.849272	62.310648	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1635	0	silt, water	-130.890927	62.293079	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1636	0	silt, water	-130.894634	62.278114	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1637	0	silt, water	-130.930834	62.244741	2.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1638	0	silt, water	-130.949155	62.263090	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1639	0	silt, water	-130.972705	62.285295	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1640	0	silt, water	-131.000682	62.277495	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1642	1	silt, water	-131.033291	62.266578	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1643	2	silt, water	-131.033291	62.266578	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1644	0	silt, water	-131.115565	62.243204	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1645	0	silt, water	-131.041152	62.236659	0.5	0.2	hilly, undulating	dendritic	unknown	primary
105J_1989_1646	0	silt, water	-131.071267	62.225311	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_1647	0	silt	-131.383268	62.136500	0.0	0.0	hilly, undulating	dendritic	unknown	primary
105J_1989_1648	0	silt, water	-131.333989	62.128934	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1650	0	silt, water	-131.438026	62.098751	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_1651	0	silt, water	-131.498070	62.109274	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3002	0	silt, water	-131.998738	62.116765	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3003	0	silt, water	-131.914340	62.138458	1.0	0.2	lowlands, swamp	discont shield type	ground	undefined
105J_1989_3005	0	silt	-131.933515	62.164841	0.0	0.0	hilly, undulating	dendritic	unknown	primary
105J_1989_3006	0	silt, water	-131.883504	62.157304	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3007	0	silt, water	-131.815143	62.182992	4.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3008	0	silt, water	-131.832132	62.199604	1.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3009	1	silt, water	-131.791908	62.213625	3.0	0.2	hilly, undulating	dendritic	ground	tertiary
105J_1989_3010	2	silt, water	-131.791908	62.213625	3.0	0.2	hilly, undulating	dendritic	ground	tertiary
105J_1989_3011	0	silt, water	-131.833350	62.244393	0.5	0.1	mountainous-mature	dendritic	ground	secondary
105J_1989_3012	0	silt, water	-131.869923	62.243973	1.0	0.4	mountainous-mature	dendritic	ground	secondary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_1624	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1625	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1626	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1627	0	permanent	moderate	clear	colourless	till	none	none	none	red-brown
105J_1989_1628	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1629	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1631	0	permanent	moderate	clear	colourless	organics	none	none	none	red-brown
105J_1989_1632	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1633	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1634	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1635	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1636	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1637	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1638	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1639	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1640	0	permanent	slow	clear	colourless	organics	none	none	none	black
105J_1989_1642	1	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1643	2	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1644	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1645	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1646	0	permanent	moderate	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1647	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	black
105J_1989_1648	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_1650	0	permanent	stagnant	clear	brown	organics	none	none	none	red-brown
105J_1989_1651	0	permanent	slow	clear	colourless	colluvial	none	none	none	red-brown
105J_1989_3002	0	permanent	slow	clear	brown	colluvial	none	none	none	brown
105J_1989_3003	0	permanent	moderate	clear	colourless	alluvial	none	none	none	brown
105J_1989_3005	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_3006	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3007	0	permanent	moderate	clear	colourless	colluvial	probable	none	none	brown
105J_1989_3008	0	permanent	moderate	clear	colourless	alluvial	none	none	none	brown
105J_1989_3009	1	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3010	2	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3011	0	intermittent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3012	0	permanent	moderate	clear	colourless	till	none	none	none	brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_1624	0	0,75,25
105J_1989_1625	0	25,75,0
105J_1989_1626	0	25,50,25
105J_1989_1627	0	0,100,0
105J_1989_1628	0	25,75,0
105J_1989_1629	0	0,100,0
105J_1989_1631	0	0,50,50
105J_1989_1632	0	0,100,0
105J_1989_1633	0	25,75,0
105J_1989_1634	0	0,100,0
105J_1989_1635	0	20,60,20
105J_1989_1636	0	25,75,0
105J_1989_1637	0	0,100,0
105J_1989_1638	0	0,75,25
105J_1989_1639	0	25,75,0
105J_1989_1640	0	0,50,50
105J_1989_1642	1	0,100,0
105J_1989_1643	2	0,100,0
105J_1989_1644	0	20,60,20
105J_1989_1645	0	25,75,0
105J_1989_1646	0	0,100,0
105J_1989_1647	0	40,40,20
105J_1989_1648	0	0,75,25
105J_1989_1650	0	25,75,0
105J_1989_1651	0	25,75,0
105J_1989_3002	0	25,25,50
105J_1989_3003	0	0,100,0
105J_1989_3005	0	0,100,0
105J_1989_3006	0	0,25,75
105J_1989_3007	0	25,75,0
105J_1989_3008	0	0,75,25
105J_1989_3009	1	25,75,0
105J_1989_3010	2	25,75,0
105J_1989_3011	0	0,75,25
105J_1989_3012	0	0,100,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_3013	0	silt, water	-131.868625	62.245113	2.0	0.3	mountainous-mature	dendritic	ground	secondary
105J_1989_3014	0	silt, water	-131.881593	62.266943	1.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3015	0	silt, water	-131.858521	62.281782	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_3016	0	silt, water	-131.837620	62.279965	1.0	0.5	mountainous-mature	dendritic	ground	secondary
105J_1989_3017	0	silt, water	-131.807228	62.263786	4.0	0.3	mountainous-mature	dendritic	ground	tertiary
105J_1989_3018	0	silt, water	-131.727593	62.281192	1.0	0.1	plain	dendritic	ground	secondary
105J_1989_3019	0	silt, water	-131.727353	62.317932	2.0	0.5	hilly, undulating	dendritic	ground	tertiary
105J_1989_3020	0	silt, water	-131.725030	62.318076	3.0	0.7	hilly, undulating	dendritic	ground	secondary
105J_1989_3022	0	silt, water	-131.509719	62.379800	3.0	0.4	hilly, undulating	dendritic	ground	secondary
105J_1989_3023	0	silt, water	-131.595302	62.468627	3.0	0.1	mountainous-mature	dendritic	ground	secondary
105J_1989_3024	0	silt, water	-131.543619	62.417569	2.5	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3025	0	silt, water	-131.645615	62.496709	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3026	0	silt, water	-131.683384	62.500767	1.0	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3027	0	silt, water	-131.664735	62.553414	5.0	0.3	mountainous-mature	dendritic	ground	tertiary
105J_1989_3028	0	silt, water	-131.668568	62.553844	4.0	0.4	mountainous-mature	dendritic	ground	secondary
105J_1989_3029	0	silt, water	-131.608191	62.550305	1.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3030	1	silt, water	-131.679116	62.578306	5.0	0.2	hilly, undulating	dendritic	ground	tertiary
105J_1989_3031	2	silt, water	-131.679116	62.578306	5.0	0.2	hilly, undulating	dendritic	ground	tertiary
105J_1989_3032	0	silt, water	-131.751200	62.523391	1.0	0.2	mountainous-youthful	dendritic	ground	secondary
105J_1989_3033	0	silt, water	-131.761740	62.486277	0.4	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3034	0	silt, water	-131.748124	62.462367	1.5	0.4	mountainous-mature	dendritic	ground	secondary
105J_1989_3035	0	silt, water	-131.757773	62.443511	4.0	0.3	hilly, undulating	dendritic	ground	tertiary
105J_1989_3036	0	silt, water	-131.803160	62.457598	3.0	0.2	mountainous-mature	dendritic	ground	tertiary
105J_1989_3038	0	silt, water	-131.804028	62.497874	2.0	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3039	0	silt, water	-131.852499	62.533351	5.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3040	0	silt, water	-131.819280	62.573788	8.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3042	1	silt, water	-131.852444	62.585582	4.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3043	2	silt, water	-131.852444	62.585582	4.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3045	0	silt, water	-131.860398	62.559516	11.0	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3046	0	silt, water	-131.980296	62.560073	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3047	0	silt, water	-131.953050	62.545022	7.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3048	0	silt, water	-131.939780	62.523321	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_3049	0	silt, water	-131.894880	62.506582	0.7	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3050	0	silt, water	-131.861726	62.485026	3.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3051	0	silt, water	-131.859918	62.470807	3.0	0.3	hilly, undulating	dendritic	ground	secondary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_3013	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3014	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3015	0	permanent	fast	clear	colourless	colluvial	none	none	none	brown
105J_1989_3016	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3017	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3018	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3019	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3020	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3022	0	permanent	slow	clear	colourless	till	none	none	none	brown
105J_1989_3023	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3024	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3025	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3026	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3027	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3028	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3029	0	permanent	slow	clear	colourless	colluvial	none	none	red-brown	brown
105J_1989_3030	1	permanent	moderate	clear	colourless	till	none	none	red-brown	brown
105J_1989_3031	2	permanent	moderate	clear	colourless	till	none	none	red-brown	brown
105J_1989_3032	0	permanent	moderate	clear	colourless	colluvial	none	none	green	brown
105J_1989_3033	0	permanent	moderate	clear	colourless	colluvial	none	red-brown	red-brown	brown
105J_1989_3034	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3035	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3036	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3038	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3039	0	permanent	moderate	clear	colourless	till	none	none	pink	brown
105J_1989_3040	0	permanent	moderate	clear	colourless	till	none	none	red-brown	brown
105J_1989_3042	1	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3043	2	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3045	0	permanent	moderate	clear	colourless	colluvial	none	none	pink	brown
105J_1989_3046	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3047	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3048	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3049	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3050	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3051	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_3013	0	20,40,40
105J_1989_3014	0	0,100,0
105J_1989_3015	0	0,75,25
105J_1989_3016	0	0,75,25
105J_1989_3017	0	0,75,25
105J_1989_3018	0	0,100,0
105J_1989_3019	0	0,100,0
105J_1989_3020	0	0,50,50
105J_1989_3022	0	0,100,0
105J_1989_3023	0	35,65,0
105J_1989_3024	0	0,75,25
105J_1989_3025	0	33,34,33
105J_1989_3026	0	35,65,0
105J_1989_3027	0	33,34,33
105J_1989_3028	0	25,50,25
105J_1989_3029	0	25,25,50
105J_1989_3030	1	35,65,0
105J_1989_3031	2	35,65,0
105J_1989_3032	0	65,35,0
105J_1989_3033	0	25,25,50
105J_1989_3034	0	0,75,25
105J_1989_3035	0	75,25,0
105J_1989_3036	0	0,100,0
105J_1989_3038	0	0,75,25
105J_1989_3039	0	0,50,50
105J_1989_3040	0	50,50,0
105J_1989_3042	1	0,75,25
105J_1989_3043	2	0,75,25
105J_1989_3045	0	75,25,0
105J_1989_3046	0	0,40,60
105J_1989_3047	0	50,50,0
105J_1989_3048	0	0,50,50
105J_1989_3049	0	0,50,50
105J_1989_3050	0	0,50,50
105J_1989_3051	0	25,50,25

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_3052	0	silt, water	-131.830643	62.455938	2.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3053	0	silt, water	-131.816105	62.444914	4.0	0.4	mountainous-mature	dendritic	ground	secondary
105J_1989_3054	0	silt, water	-131.809316	62.448177	5.0	0.5	mountainous-mature	dendritic	ground	tertiary
105J_1989_3055	0	silt, water	-131.718089	62.421333	4.0	0.4	mountainous-mature	dendritic	ground	secondary
105J_1989_3056	0	silt, water	-131.712582	62.422770	6.0	0.3	mountainous-mature	dendritic	ground	secondary
105J_1989_3057	0	silt, water	-131.659789	62.445883	4.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3058	0	silt, water	-131.601364	62.410297	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3059	0	silt, water	-131.629543	62.398199	0.7	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3060	0	silt, water	-131.691408	62.387847	0.7	0.1	mountainous-mature	dendritic	ground	secondary
105J_1989_3062	0	silt, water	-131.692934	62.386533	0.7	0.3	mountainous-mature	dendritic	ground	tertiary
105J_1989_3063	1	silt, water	-131.766605	62.372531	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_3064	2	silt, water	-131.766605	62.372531	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_3065	0	silt, water	-131.854440	62.414870	5.0	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3067	0	silt, water	-131.874333	62.388222	2.5	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3068	0	silt, water	-131.973583	62.391240	0.7	0.3	lowlands, swamp	dendritic	ground	primary
105J_1989_3069	0	silt, water	-131.999171	62.372859	0.7	0.5	hilly, undulating	dendritic	ground	secondary
105J_1989_3070	0	silt, water	-131.958148	62.372319	2.0	0.4	hilly, undulating	dendritic	ground	secondary
105J_1989_3071	0	silt, water	-131.876261	62.364748	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_3072	0	silt, water	-131.833188	62.359730	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3073	0	silt, water	-131.836849	62.300444	0.7	0.4	mountainous-mature	dendritic	ground	secondary
105J_1989_3074	0	silt, water	-131.834137	62.299915	1.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_3075	0	silt, water	-131.792045	62.527369	3.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3076	0	silt, water	-131.995807	62.858365	1.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3077	0	silt	-131.529254	62.228732	0.0	0.0	hilly, undulating	dendritic	unknown	primary
105J_1989_3078	0	silt, water	-131.510201	62.234296	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3079	0	silt, water	-131.589751	62.181846	1.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3080	0	silt, water	-131.589393	62.152735	0.5	0.5	hilly, undulating	dendritic	ground	secondary
105J_1989_3082	0	silt, water	-130.024779	62.226472	3.0	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3083	0	silt, water	-130.054392	62.265821	2.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3084	1	silt, water	-130.051263	62.278288	1.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3085	2	silt, water	-130.051263	62.278288	1.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3087	0	silt, water	-130.065067	62.306819	1.0	0.4	plain	dendritic	ground	secondary
105J_1989_3088	0	silt, water	-130.017649	62.329429	3.5	0.6	plain	dendritic	ground	secondary
105J_1989_3089	0	silt, water	-130.079255	62.344790	0.6	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3090	0	silt, water	-130.057885	62.371366	1.0	0.3	hilly, undulating	dendritic	ground	secondary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_3052	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3053	0	permanent	fast	clear	colourless	colluvial	none	none	none	brown
105J_1989_3054	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3055	0	permanent	fast	clear	colourless	colluvial	none	none	green	brown
105J_1989_3056	0	permanent	fast	clear	colourless	colluvial	none	none	none	brown
105J_1989_3057	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3058	0	permanent	slow	clear	colourless	till	none	none	none	brown
105J_1989_3059	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3060	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3062	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3063	1	permanent	slow	clear	colourless	till	none	none	none	brown
105J_1989_3064	2	permanent	slow	clear	colourless	till	none	none	none	brown
105J_1989_3065	0	permanent	moderate	clear	colourless	colluvial	none	none	green	brown
105J_1989_3067	0	permanent	moderate	clear	colourless	colluvial	none	none	green	brown
105J_1989_3068	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3069	0	permanent	slow	clear	brown	till	possible	none	none	brown
105J_1989_3070	0	permanent	moderate	clear	colourless	till	possible	none	none	brown
105J_1989_3071	0	permanent	slow	clear	colourless	alluvial	none	none	none	brown
105J_1989_3072	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3073	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3074	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3075	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3076	0	permanent	moderate	clear	brown	till	none	none	none	brown
105J_1989_3077	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_3078	0	permanent	slow	clear	colourless	colluvial	possible	none	none	grey, blue-grey
105J_1989_3079	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3080	0	permanent	slow	clear	brown	colluvial	none	none	none	brown
105J_1989_3082	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3083	0	permanent	slow	clear	colourless	alluvial	possible	none	none	brown
105J_1989_3084	1	permanent	slow	clear	brown	colluvial	possible	none	none	brown
105J_1989_3085	2	permanent	slow	clear	brown	colluvial	possible	none	none	brown
105J_1989_3087	0	permanent	slow	cloudy	brown	alluvial	possible	none	none	brown
105J_1989_3088	0	permanent	moderate	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_3089	0	permanent	slow	cloudy	brown	colluvial	none	none	none	brown
105J_1989_3090	0	permanent	slow	cloudy	brown	colluvial	none	none	none	brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_3052	0	0,100,0
105J_1989_3053	0	0,75,25
105J_1989_3054	0	0,60,40
105J_1989_3055	0	75,25,0
105J_1989_3056	0	0,100,0
105J_1989_3057	0	0,100,0
105J_1989_3058	0	0,75,25
105J_1989_3059	0	0,100,0
105J_1989_3060	0	0,100,0
105J_1989_3062	0	50,50,0
105J_1989_3063	1	0,100,0
105J_1989_3064	2	0,100,0
105J_1989_3065	0	0,75,25
105J_1989_3067	0	0,75,25
105J_1989_3068	0	0,100,0
105J_1989_3069	0	0,75,25
105J_1989_3070	0	0,100,0
105J_1989_3071	0	50,50,0
105J_1989_3072	0	0,75,25
105J_1989_3073	0	0,50,50
105J_1989_3074	0	0,50,50
105J_1989_3075	0	65,35,0
105J_1989_3076	0	0,100,0
105J_1989_3077	0	0,100,0
105J_1989_3078	0	25,50,25
105J_1989_3079	0	0,100,0
105J_1989_3080	0	0,50,50
105J_1989_3082	0	0,100,0
105J_1989_3083	0	0,100,0
105J_1989_3084	1	0,75,25
105J_1989_3085	2	0,75,25
105J_1989_3087	0	0,75,25
105J_1989_3088	0	0,100,0
105J_1989_3089	0	0,60,40
105J_1989_3090	0	0,100,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_3091	0	silt, water	-130.052458	62.387485	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3092	0	silt, water	-130.102377	62.411777	0.7	0.5	hilly, undulating	dendritic	ground	secondary
105J_1989_3093	0	silt, water	-130.031510	62.439107	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_3094	0	silt, water	-130.121435	62.449328	1.5	0.3	mountainous-mature	dendritic	ground	tertiary
105J_1989_3095	0	silt, water	-130.121770	62.447943	2.0	0.4	mountainous-mature	dendritic	ground	tertiary
105J_1989_3096	0	silt, water	-130.158544	62.418215	0.1	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3097	0	silt, water	-130.159919	62.412710	0.7	0.3	mountainous-mature	dendritic	ground	secondary
105J_1989_3098	0	silt, water	-130.206222	62.405566	1.5	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3099	0	silt, water	-130.189721	62.416462	1.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3100	0	silt, water	-130.224448	62.384615	1.0	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3102	0	silt, water	-130.168692	62.391477	1.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3103	1	silt, water	-130.119466	62.373891	2.0	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3104	2	silt, water	-130.119466	62.373891	2.0	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3105	0	silt, water	-130.213730	62.366323	0.7	0.3	mountainous-mature	dendritic	ground	secondary
105J_1989_3106	0	silt, water	-130.303896	62.354474	2.0	0.2	mountainous-mature	dendritic	ground	tertiary
105J_1989_3107	0	silt	-130.322955	62.335397	0.0	0.0	mountainous-mature	dendritic	unknown	secondary
105J_1989_3108	0	silt, water	-130.333201	62.308240	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3109	0	silt, water	-130.241214	62.336914	0.2	0.1	mountainous-mature	dendritic	ground	secondary
105J_1989_3110	0	silt, water	-130.252538	62.330168	1.5	0.3	mountainous-mature	dendritic	ground	tertiary
105J_1989_3111	0	silt, water	-130.164924	62.328281	0.7	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3112	0	silt, water	-130.167914	62.328732	3.0	0.3	mountainous-mature	dendritic	ground	secondary
105J_1989_3113	0	silt, water	-130.153402	62.296114	0.3	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3114	0	silt	-130.164984	62.255565	0.0	0.0	hilly, undulating	dendritic	unknown	primary
105J_1989_3115	0	silt, water	-130.093999	62.234606	1.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3116	0	silt, water	-130.114350	62.214093	1.0	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3117	0	silt, water	-130.159352	62.194700	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3118	0	silt, water	-130.141564	62.192819	1.5	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3120	0	silt, water	-130.204906	62.218560	1.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3122	1	silt, water	-130.207210	62.246882	5.0	1.0	hilly, undulating	dendritic	ground	secondary
105J_1989_3123	2	silt, water	-130.207210	62.246882	5.0	1.0	hilly, undulating	dendritic	ground	secondary
105J_1989_3124	0	silt, water	-130.260964	62.272367	2.0	0.5	hilly, undulating	dendritic	ground	secondary
105J_1989_3125	0	silt, water	-130.293163	62.281461	0.7	0.4	hilly, undulating	dendritic	ground	primary
105J_1989_3126	0	silt, water	-130.292008	62.282388	1.2	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3127	0	silt, water	-130.352455	62.255445	3.5	0.3	hilly, undulating	dendritic	ground	tertiary
105J_1989_3128	0	silt, water	-130.387395	62.266932	3.5	0.2	hilly, undulating	dendritic	ground	secondary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_3091	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3092	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3093	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3094	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3095	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3096	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3097	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3098	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3099	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3100	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3102	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3103	1	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3104	2	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3105	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3106	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3107	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	brown
105J_1989_3108	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3109	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3110	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3111	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3112	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3113	0	permanent	slow	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_3114	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	brown
105J_1989_3115	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3116	0	permanent	slow	clear	brown	colluvial	none	none	red-brown	brown
105J_1989_3117	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3118	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3120	0	permanent	slow	clear	brown	colluvial	none	none	none	brown
105J_1989_3122	1	permanent	slow	clear	colourless	alluvial	none	none	none	brown
105J_1989_3123	2	permanent	slow	clear	colourless	alluvial	none	none	none	brown
105J_1989_3124	0	permanent	slow	clear	brown	alluvial	none	none	none	brown
105J_1989_3125	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3126	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3127	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3128	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_3091	0	25,75,0
105J_1989_3092	0	0,50,50
105J_1989_3093	0	0,60,40
105J_1989_3094	0	0,50,50
105J_1989_3095	0	0,65,35
105J_1989_3096	0	0,100,0
105J_1989_3097	0	0,60,40
105J_1989_3098	0	0,100,0
105J_1989_3099	0	0,100,0
105J_1989_3100	0	0,50,50
105J_1989_3102	0	0,50,50
105J_1989_3103	1	0,100,0
105J_1989_3104	2	0,100,0
105J_1989_3105	0	0,100,0
105J_1989_3106	0	0,100,0
105J_1989_3107	0	0,100,0
105J_1989_3108	0	25,50,25
105J_1989_3109	0	0,100,0
105J_1989_3110	0	0,75,25
105J_1989_3111	0	0,50,50
105J_1989_3112	0	20,60,20
105J_1989_3113	0	0,100,0
105J_1989_3114	0	25,50,25
105J_1989_3115	0	0,100,0
105J_1989_3116	0	0,100,0
105J_1989_3117	0	0,75,25
105J_1989_3118	0	0,75,25
105J_1989_3120	0	0,75,25
105J_1989_3122	1	0,100,0
105J_1989_3123	2	0,100,0
105J_1989_3124	0	0,100,0
105J_1989_3125	0	0,100,0
105J_1989_3126	0	25,75,0
105J_1989_3127	0	0,60,40
105J_1989_3128	0	0,75,25

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_3129	0	silt, water	-130.393885	62.316909	0.2	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3130	0	silt, water	-130.370570	62.339236	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3131	0	silt, water	-130.376309	62.372684	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3133	0	silt, water	-130.372306	62.372221	0.7	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3134	0	silt, water	-130.307923	62.387968	0.2	0.1	mountainous-mature	dendritic	ground	secondary
105J_1989_3135	0	silt, water	-130.345065	62.392417	3.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3136	0	silt, water	-130.382599	62.403056	2.0	0.4	mountainous-mature	dendritic	ground	secondary
105J_1989_3137	0	silt, water	-130.503213	62.350820	1.0	0.4	mountainous-mature	dendritic	ground	primary
105J_1989_3138	0	silt, water	-130.470378	62.352114	6.0	0.2	mountainous-mature	dendritic	ground	tertiary
105J_1989_3139	0	silt, water	-130.465286	62.336843	4.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3140	0	silt, water	-130.410628	62.342713	2.0	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3143	1	silt, water	-130.422646	62.303654	3.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3144	2	silt, water	-130.422646	62.303654	3.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3145	0	silt, water	-130.499477	62.276674	0.5	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3146	0	silt, water	-130.519292	62.259507	3.5	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3147	0	silt, water	-130.515857	62.260174	3.0	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3148	0	silt, water	-130.479752	62.256002	0.4	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3149	0	silt, water	-130.486166	62.225902	0.2	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3150	0	silt, water	-130.399033	62.225005	0.3	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3151	0	silt, water	-130.351607	62.238224	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_3152	0	silt, water	-130.320605	62.233432	0.3	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3153	0	silt, water	-130.151649	62.181648	0.7	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3154	0	silt, water	-130.146524	62.129010	0.4	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3155	0	silt, water	-130.162292	62.151161	1.2	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3156	0	silt, water	-130.256538	62.192937	1.5	0.2	hilly, undulating	dendritic	ground	tertiary
105J_1989_3157	0	silt, water	-130.299429	62.212624	0.7	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_3158	0	silt, water	-130.364991	62.206050	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3159	0	silt, water	-130.453784	62.197048	0.2	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3160	0	silt, water	-130.509226	62.213828	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3162	0	silt, water	-130.563781	62.215961	2.0	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3163	1	silt, water	-130.578315	62.213273	2.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_3164	2	silt, water	-130.578315	62.213273	2.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_3165	0	silt, water	-130.595066	62.189961	2.0	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3166	0	silt, water	-130.591044	62.189837	4.0	0.3	hilly, undulating	dendritic	ground	tertiary
105J_1989_3167	0	silt, water	-130.697611	62.190016	0.5	0.1	hilly, undulating	dendritic	ground	secondary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_3129	0	permanent	slow	clear	brown	colluvial	none	none	none	brown
105J_1989_3130	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3131	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3133	0	permanent	moderate	clear	colourless	colluvial	none	none	red-brown	brown
105J_1989_3134	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3135	0	permanent	fast	clear	colourless	colluvial	none	none	none	brown
105J_1989_3136	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3137	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_3138	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3139	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3140	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3143	1	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3144	2	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3145	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3146	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3147	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3148	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3149	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3150	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3151	0	permanent	slow	clear	brown	colluvial	none	none	none	brown
105J_1989_3152	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3153	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3154	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3155	0	permanent	moderate	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_3156	0	permanent	moderate	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_3157	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3158	0	permanent	slow	clear	brown	colluvial	none	none	none	brown
105J_1989_3159	0	permanent	slow	cloudy	brown	colluvial	none	none	none	brown
105J_1989_3160	0	permanent	slow	clear	brown	colluvial	none	none	none	brown
105J_1989_3162	0	permanent	slow	clear	brown	colluvial	none	none	none	brown
105J_1989_3163	1	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3164	2	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3165	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3166	0	permanent	moderate	clear	colourless	colluvial	none	none	red-brown	brown
105J_1989_3167	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_3129	0	0,100,0
105J_1989_3130	0	0,75,25
105J_1989_3131	0	0,50,50
105J_1989_3133	0	0,75,25
105J_1989_3134	0	0,75,25
105J_1989_3135	0	0,50,50
105J_1989_3136	0	0,60,40
105J_1989_3137	0	0,100,0
105J_1989_3138	0	0,75,25
105J_1989_3139	0	0,75,25
105J_1989_3140	0	0,100,0
105J_1989_3143	1	0,100,0
105J_1989_3144	2	0,100,0
105J_1989_3145	0	0,100,0
105J_1989_3146	0	0,75,25
105J_1989_3147	0	0,75,25
105J_1989_3148	0	0,100,0
105J_1989_3149	0	0,100,0
105J_1989_3150	0	50,50,0
105J_1989_3151	0	0,60,40
105J_1989_3152	0	25,50,25
105J_1989_3153	0	0,100,0
105J_1989_3154	0	0,100,0
105J_1989_3155	0	0,100,0
105J_1989_3156	0	25,75,0
105J_1989_3157	0	0,100,0
105J_1989_3158	0	0,100,0
105J_1989_3159	0	0,100,0
105J_1989_3160	0	0,50,50
105J_1989_3162	0	0,60,40
105J_1989_3163	1	0,100,0
105J_1989_3164	2	0,100,0
105J_1989_3165	0	25,75,0
105J_1989_3166	0	0,75,25
105J_1989_3167	0	25,75,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_3168	0	silt, water	-130.685588	62.191878	3.0	0.2	hilly, undulating	dendritic	ground	tertiary
105J_1989_3169	0	silt, water	-130.652382	62.226774	2.0	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3170	0	silt, water	-130.712264	62.228902	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3171	0	silt, water	-130.773028	62.232466	2.5	0.5	hilly, undulating	dendritic	ground	secondary
105J_1989_3172	0	silt, water	-130.771833	62.230794	2.5	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3173	0	silt, water	-130.784622	62.220537	1.5	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3174	0	silt, water	-130.804541	62.241945	5.0	0.2	hilly, undulating	dendritic	ground	tertiary
105J_1989_3175	0	silt, water	-130.715060	62.255104	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3176	0	silt, water	-130.634790	62.275729	0.2	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3177	0	silt, water	-130.638804	62.271569	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3179	0	silt, water	-130.614178	62.266157	2.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3180	0	silt, water	-130.568209	62.294643	2.0	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3182	0	silt, water	-130.562607	62.306351	1.5	0.4	hilly, undulating	dendritic	ground	primary
105J_1989_3183	0	silt	-130.549597	62.307700	0.0	0.0	hilly, undulating	dendritic	unknown	primary
105J_1989_3185	1	silt, water	-130.566015	62.321800	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3186	2	silt, water	-130.566015	62.321800	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3187	0	silt, water	-130.535146	62.353460	2.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3188	0	silt, water	-130.520600	62.392064	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_3189	0	silt, water	-130.552704	62.396001	2.0	0.4	hilly, undulating	dendritic	ground	primary
105J_1989_3190	0	silt, water	-130.544650	62.421849	0.4	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3191	0	silt, water	-130.474436	62.428148	1.5	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3192	0	silt, water	-130.387751	62.445819	2.0	0.4	hilly, undulating	dendritic	ground	tertiary
105J_1989_3193	0	silt, water	-130.388947	62.444451	3.5	0.5	mountainous-youthful	dendritic	ground	tertiary
105J_1989_3194	0	silt, water	-130.327678	62.419175	2.0	0.3	mountainous-mature	dendritic	ground	primary
105J_1989_3195	0	silt, water	-130.261623	62.434907	1.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3196	0	silt, water	-130.293136	62.445588	1.5	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3197	0	silt, water	-130.286096	62.459424	1.0	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3198	0	silt, water	-130.230867	62.477931	1.0	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3199	0	silt, water	-130.191469	62.497906	1.0	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3200	0	silt, water	-130.175959	62.506269	1.5	0.3	mountainous-mature	trellis	ground	secondary
105J_1989_3202	0	silt, water	-130.136988	62.497552	2.0	0.2	mountainous-mature	trellis	ground	tertiary
105J_1989_3203	0	silt, water	-130.143637	62.489194	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3204	1	silt, water	-130.051549	62.494451	0.2	0.1	mountainous-mature	trellis	ground	primary
105J_1989_3205	2	silt, water	-130.051549	62.494451	0.2	0.1	mountainous-mature	trellis	ground	primary
105J_1989_3207	0	silt, water	-130.006182	62.508053	1.0	0.2	mountainous-mature	trellis	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_3168	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3169	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3170	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3171	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3172	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3173	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3174	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3175	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3176	0	permanent	slow	clear	colourless	alluvial	possible	none	none	brown
105J_1989_3177	0	permanent	slow	clear	colourless	colluvial	none	none	none	buff-brown
105J_1989_3179	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3180	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3182	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3183	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	brown
105J_1989_3185	1	permanent	slow	clear	colourless	colluvial	none	red-brown	red-brown	brown
105J_1989_3186	2	permanent	slow	clear	colourless	colluvial	none	red-brown	red-brown	brown
105J_1989_3187	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3188	0	permanent	slow	clear	brown	colluvial	none	none	none	brown
105J_1989_3189	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3190	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3191	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3192	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3193	0	permanent	moderate	clear	colourless	alluvial	none	none	none	grey, blue-grey
105J_1989_3194	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3195	0	permanent	slow	clear	colourless	alluvial	none	none	none	brown
105J_1989_3196	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3197	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3198	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3199	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3200	0	permanent	fast	clear	colourless	colluvial	none	none	none	brown
105J_1989_3202	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3203	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3204	1	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3205	2	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3207	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_3168	0	0,75,25
105J_1989_3169	0	0,100,0
105J_1989_3170	0	0,75,25
105J_1989_3171	0	0,100,0
105J_1989_3172	0	0,100,0
105J_1989_3173	0	0,75,25
105J_1989_3174	0	0,75,25
105J_1989_3175	0	0,100,0
105J_1989_3176	0	0,100,0
105J_1989_3177	0	20,60,20
105J_1989_3179	0	0,100,0
105J_1989_3180	0	0,75,25
105J_1989_3182	0	0,75,25
105J_1989_3183	0	0,75,25
105J_1989_3185	1	0,100,0
105J_1989_3186	2	0,100,0
105J_1989_3187	0	0,75,25
105J_1989_3188	0	0,75,25
105J_1989_3189	0	0,100,0
105J_1989_3190	0	0,100,0
105J_1989_3191	0	0,75,25
105J_1989_3192	0	0,100,0
105J_1989_3193	0	0,100,0
105J_1989_3194	0	25,75,0
105J_1989_3195	0	0,100,0
105J_1989_3196	0	0,100,0
105J_1989_3197	0	0,75,25
105J_1989_3198	0	0,100,0
105J_1989_3199	0	0,100,0
105J_1989_3200	0	0,100,0
105J_1989_3202	0	75,25,0
105J_1989_3203	0	25,50,25
105J_1989_3204	1	0,100,0
105J_1989_3205	2	0,100,0
105J_1989_3207	0	0,100,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_3208	0	silt, water	-130.033687	62.531901	1.0	0.1	mountainous-mature	trellis	ground	primary
105J_1989_3209	0	silt, water	-130.014033	62.556866	3.5	0.4	mountainous-mature	trellis	ground	tertiary
105J_1989_3210	0	silt, water	-130.061152	62.581822	1.0	0.1	mountainous-mature	trellis	ground	secondary
105J_1989_3211	0	silt, water	-130.076107	62.531832	1.0	0.2	mountainous-mature	trellis	ground	secondary
105J_1989_3212	0	silt, water	-130.084592	62.542342	1.0	0.2	mountainous-mature	trellis	ground	tertiary
105J_1989_3213	0	silt, water	-130.144736	62.554412	4.0	0.2	mountainous-mature	trellis	ground	secondary
105J_1989_3214	0	silt, water	-130.180188	62.554863	3.0	0.3	mountainous-mature	trellis	ground	secondary
105J_1989_3215	0	silt, water	-130.191823	62.545231	0.7	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3216	0	silt, water	-130.218074	62.557725	1.5	0.1	mountainous-mature	trellis	ground	tertiary
105J_1989_3217	0	silt, water	-130.247579	62.543739	1.5	0.3	mountainous-mature	trellis	ground	tertiary
105J_1989_3218	0	silt, water	-130.233800	62.525026	4.0	0.5	mountainous-mature	trellis	ground	tertiary
105J_1989_3219	0	silt, water	-130.270162	62.554039	1.0	0.2	mountainous-mature	trellis	ground	secondary
105J_1989_3220	0	silt, water	-130.333238	62.516706	1.5	0.4	hilly, undulating	dendritic	ground	tertiary
105J_1989_3222	0	silt, water	-130.310882	62.488827	0.7	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3223	0	silt, water	-130.393807	62.484720	1.0	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3224	1	silt, water	-130.450373	62.474807	1.0	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3225	2	silt, water	-130.450373	62.474807	1.0	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3226	0	silt, water	-130.459293	62.503361	2.0	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3227	0	silt, water	-131.469499	62.255405	5.5	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3228	0	silt, water	-131.471436	62.254355	3.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3229	0	silt, water	-131.454131	62.278642	0.7	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3230	0	silt, water	-131.393904	62.279343	1.0	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3231	0	silt, water	-131.375823	62.324835	1.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3232	0	silt, water	-131.377299	62.323724	0.7	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3233	0	silt, water	-131.288755	62.359174	2.0	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3234	0	silt, water	-131.253123	62.373756	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3235	0	silt, water	-131.249765	62.462328	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3236	0	silt, water	-131.259686	62.474012	1.5	0.2	hilly, undulating	discont shield type	ground	undefined
105J_1989_3238	0	silt, water	-131.212384	62.496898	3.0	1.0	hilly, undulating	discont shield type	ground	undefined
105J_1989_3239	0	silt, water	-131.202796	62.517229	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3240	0	silt, water	-131.757805	62.569168	1.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3242	0	silt, water	-131.759646	62.568441	2.5	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3243	1	silt, water	-131.813324	62.615641	4.0	0.4	hilly, undulating	dendritic	ground	tertiary
105J_1989_3244	2	silt, water	-131.813324	62.615641	4.0	0.4	hilly, undulating	dendritic	ground	tertiary
105J_1989_3245	0	silt, water	-131.824644	62.608352	6.0	0.4	hilly, undulating	dendritic	ground	tertiary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_3208	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3209	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3210	0	permanent	slow	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_3211	0	permanent	moderate	clear	colourless	glacial outwash	none	none	none	brown
105J_1989_3212	0	permanent	moderate	clear	colourless	glacial outwash	none	none	none	brown
105J_1989_3213	0	permanent	fast	clear	colourless	colluvial	none	none	none	brown
105J_1989_3214	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3215	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3216	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3217	0	permanent	fast	clear	colourless	colluvial	none	none	none	brown
105J_1989_3218	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3219	0	permanent	moderate	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_3220	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3222	0	permanent	moderate	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_3223	0	permanent	slow	clear	colourless	colluvial	possible	none	none	brown
105J_1989_3224	1	permanent	slow	clear	colourless	colluvial	possible	none	none	brown
105J_1989_3225	2	permanent	slow	clear	colourless	colluvial	possible	none	none	brown
105J_1989_3226	0	permanent	slow	clear	colourless	colluvial	possible	none	none	brown
105J_1989_3227	0	permanent	moderate	cloudy	white	till	burn	none	green	grey, blue-grey
105J_1989_3228	0	permanent	moderate	cloudy	white	till	burn	none	red-brown	grey, blue-grey
105J_1989_3229	0	permanent	slow	clear	colourless	till	none	none	none	brown
105J_1989_3230	0	permanent	moderate	clear	colourless	colluvial	none	none	red-brown	brown
105J_1989_3231	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3232	0	permanent	slow	clear	colourless	till	none	none	red-brown	brown
105J_1989_3233	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3234	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3235	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_3236	0	permanent	moderate	clear	brown	colluvial	none	none	none	brown
105J_1989_3238	0	permanent	stagnant	cloudy	brown	alluvial	none	none	none	brown
105J_1989_3239	0	permanent	stagnant	cloudy	brown	colluvial	possible	none	none	brown
105J_1989_3240	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3242	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3243	1	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3244	2	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3245	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_3208	0	0,75,25
105J_1989_3209	0	0,100,0
105J_1989_3210	0	0,100,0
105J_1989_3211	0	0,75,25
105J_1989_3212	0	0,75,25
105J_1989_3213	0	0,100,0
105J_1989_3214	0	0,50,50
105J_1989_3215	0	0,100,0
105J_1989_3216	0	0,100,0
105J_1989_3217	0	0,75,25
105J_1989_3218	0	0,50,50
105J_1989_3219	0	0,100,0
105J_1989_3220	0	0,50,50
105J_1989_3222	0	0,75,25
105J_1989_3223	0	0,50,50
105J_1989_3224	1	0,100,0
105J_1989_3225	2	0,100,0
105J_1989_3226	0	0,75,25
105J_1989_3227	0	0,100,0
105J_1989_3228	0	0,50,50
105J_1989_3229	0	0,100,0
105J_1989_3230	0	0,100,0
105J_1989_3231	0	0,75,25
105J_1989_3232	0	0,75,25
105J_1989_3233	0	0,50,50
105J_1989_3234	0	25,50,25
105J_1989_3235	0	0,100,0
105J_1989_3236	0	50,50,0
105J_1989_3238	0	0,50,50
105J_1989_3239	0	0,25,75
105J_1989_3240	0	0,75,25
105J_1989_3242	0	25,50,25
105J_1989_3243	1	25,75,0
105J_1989_3244	2	25,75,0
105J_1989_3245	0	0,100,0

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_3246	0	silt, water	-131.853998	62.605241	7.0	0.3	hilly, undulating	dendritic	ground	tertiary
105J_1989_3247	0	silt, water	-131.842607	62.640640	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3248	0	silt, water	-131.948335	62.623164	0.3	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3249	0	silt, water	-131.988866	62.610140	0.7	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3251	0	silt	-131.953459	62.658017	0.0	0.0	hilly, undulating	dendritic	unknown	primary
105J_1989_3252	0	silt, water	-131.905670	62.677540	0.5	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3253	0	silt, water	-131.954224	62.688040	0.5	0.1	hilly, undulating	discont shield type	ground	undefined
105J_1989_3254	0	silt, water	-131.926322	62.705406	3.0	0.2	hilly, undulating	dendritic	ground	tertiary
105J_1989_3255	0	silt, water	-131.996724	62.734201	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3256	0	silt, water	-131.818286	62.682335	1.0	0.5	mountainous-mature	dendritic	ground	primary
105J_1989_3257	0	silt, water	-131.826330	62.733452	0.4	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3258	0	silt	-131.736488	62.734102	0.0	0.0	hilly, undulating	dendritic	unknown	secondary
105J_1989_3259	0	silt, water	-131.740746	62.725334	0.7	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3260	0	silt, water	-131.740593	62.700438	2.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3262	0	silt, water	-131.712857	62.677967	0.7	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3263	0	silt, water	-131.765556	62.686745	0.5	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3264	0	silt, water	-131.845031	62.669389	0.5	0.2	hilly, undulating	discont shield type	ground	undefined
105J_1989_3265	0	silt, water	-131.759450	62.656218	2.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3266	0	silt, water	-131.757544	62.632560	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3267	0	silt, water	-131.889656	62.112270	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3268	1	silt, water	-131.800236	62.089193	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_3269	2	silt, water	-131.800236	62.089193	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_3270	0	silt, water	-131.799807	62.102199	0.3	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3271	0	silt, water	-131.772838	62.133912	0.3	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3272	0	silt, water	-131.792564	62.154525	2.0	0.3	plain	dendritic	ground	primary
105J_1989_3273	0	silt, water	-131.743477	62.127518	2.0	0.4	plain	discont shield type	ground	primary
105J_1989_3274	0	silt, water	-131.625694	62.134286	2.0	0.2	hilly, undulating	discont shield type	ground	primary
105J_1989_3275	0	silt, water	-131.504915	62.180568	0.3	0.1	hilly, undulating	discont shield type	ground	primary
105J_1989_3276	0	silt, water	-131.351579	62.214993	3.0	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3277	0	silt, water	-131.349473	62.215856	2.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3278	0	silt, water	-131.337445	62.244384	0.5	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3279	0	silt, water	-131.294268	62.264062	0.3	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3282	0	silt, water	-131.271233	62.278765	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3283	1	silt, water	-131.257925	62.302348	2.0	1.0	hilly, undulating	discont shield type	ground	primary
105J_1989_3284	2	silt, water	-131.257925	62.302348	2.0	1.0	hilly, undulating	discont shield type	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_3246	0	permanent	moderate	clear	brown	colluvial	none	none	red-brown	brown
105J_1989_3247	0	permanent	slow	cloudy	brown	colluvial	none	red-brown	none	brown
105J_1989_3248	0	permanent	slow	cloudy	brown	colluvial	none	none	none	brown
105J_1989_3249	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3251	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	brown
105J_1989_3252	0	permanent	slow	clear	colourless	colluvial	probable	none	none	brown
105J_1989_3253	0	permanent	slow	clear	colourless	till	possible	none	none	brown
105J_1989_3254	0	permanent	slow	clear	colourless	till	none	none	none	brown
105J_1989_3255	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3256	0	permanent	slow	cloudy	brown	colluvial	none	none	red-brown	brown
105J_1989_3257	0	permanent	slow	cloudy	brown	colluvial	none	none	red-brown	brown
105J_1989_3258	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	grey, blue-grey
105J_1989_3259	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3260	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3262	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3263	0	permanent	stagnant	clear	brown	colluvial	none	none	none	brown
105J_1989_3264	0	permanent	moderate	clear	colourless	colluvial	possible	none	none	brown
105J_1989_3265	0	permanent	slow	clear	colourless	till	possible	none	none	brown
105J_1989_3266	0	permanent	slow	cloudy	brown	colluvial	none	none	none	brown
105J_1989_3267	0	intermittent	stagnant	clear	colourless	colluvial	possible	none	none	brown
105J_1989_3268	1	intermittent	stagnant	clear	colourless	colluvial	none	none	none	brown
105J_1989_3269	2	intermittent	stagnant	clear	colourless	colluvial	none	none	none	brown
105J_1989_3270	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3271	0	intermittent	stagnant	cloudy	brown	colluvial	none	none	none	brown
105J_1989_3272	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3273	0	permanent	slow	cloudy	brown	colluvial	none	none	none	brown
105J_1989_3274	0	intermittent	slow	cloudy	white	colluvial	none	none	none	brown
105J_1989_3275	0	intermittent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3276	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3277	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3278	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3279	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3282	0	intermittent	slow	cloudy	brown	colluvial	none	none	none	brown
105J_1989_3283	1	permanent	slow	cloudy	brown	organics	none	none	none	brown
105J_1989_3284	2	permanent	slow	cloudy	brown	organics	none	none	none	brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_3246	0	25,75,0
105J_1989_3247	0	0,25,75
105J_1989_3248	0	0,40,60
105J_1989_3249	0	0,100,0
105J_1989_3251	0	0,100,0
105J_1989_3252	0	0,100,0
105J_1989_3253	0	0,40,60
105J_1989_3254	0	0,75,25
105J_1989_3255	0	0,100,0
105J_1989_3256	0	0,60,40
105J_1989_3257	0	0,100,0
105J_1989_3258	0	0,100,0
105J_1989_3259	0	0,75,25
105J_1989_3260	0	0,25,75
105J_1989_3262	0	0,75,25
105J_1989_3263	0	0,50,50
105J_1989_3264	0	25,50,25
105J_1989_3265	0	0,100,0
105J_1989_3266	0	0,75,25
105J_1989_3267	0	0,50,50
105J_1989_3268	1	0,60,40
105J_1989_3269	2	0,60,40
105J_1989_3270	0	25,75,0
105J_1989_3271	0	0,25,75
105J_1989_3272	0	0,75,25
105J_1989_3273	0	0,60,40
105J_1989_3274	0	0,40,60
105J_1989_3275	0	0,25,75
105J_1989_3276	0	25,75,0
105J_1989_3277	0	0,75,25
105J_1989_3278	0	0,100,0
105J_1989_3279	0	0,100,0
105J_1989_3282	0	0,75,25
105J_1989_3283	1	0,75,25
105J_1989_3284	2	0,75,25

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_3285	0	silt, water	-131.177134	62.310921	0.3	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3286	0	silt, water	-131.200890	62.332574	2.0	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3288	0	silt, water	-131.156569	62.346829	0.3	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3289	0	silt, water	-131.103623	62.383435	0.2	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3290	0	silt	-131.086864	62.385834	0.0	0.0	hilly, undulating	dendritic	unknown	primary
105J_1989_3291	0	silt, water	-131.102317	62.411482	0.4	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3292	0	silt	-131.099979	62.438375	0.0	0.0	hilly, undulating	dendritic	unknown	primary
105J_1989_3293	0	silt, water	-131.076929	62.473742	0.3	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3294	0	silt, water	-131.119509	62.489515	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3295	0	silt, water	-131.400341	62.634857	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3296	0	silt, water	-131.436544	62.665002	1.5	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3297	0	silt, water	-131.472175	62.666281	3.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3298	0	silt, water	-131.457657	62.668557	2.0	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3299	0	silt	-131.548579	62.627172	0.0	0.0	hilly, undulating	dendritic	unknown	primary
105J_1989_3300	0	silt, water	-131.589234	62.644254	0.5	0.2	hilly, undulating	dendritic	ground	tertiary
105J_1989_3302	0	silt, water	-131.613104	62.646469	0.7	0.7	hilly, undulating	dendritic	ground	primary
105J_1989_3303	0	silt, water	-131.657269	62.640949	1.0	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3304	1	silt, water	-131.684036	62.621424	4.0	0.3	hilly, undulating	dendritic	ground	tertiary
105J_1989_3305	2	silt, water	-131.684036	62.621424	4.0	0.3	hilly, undulating	dendritic	ground	tertiary
105J_1989_3306	0	silt, water	-131.641025	62.618479	1.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_3307	0	silt, water	-131.666462	62.603356	1.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3308	0	silt	-131.534781	62.607870	0.0	0.0	hilly, undulating	dendritic	unknown	primary
105J_1989_3309	0	silt, water	-131.458792	62.596445	1.5	1.0	hilly, undulating	dendritic	ground	secondary
105J_1989_3311	0	silt, water	-131.440545	62.608898	0.7	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_3312	0	silt, water	-131.404768	62.571663	1.5	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3313	0	silt, water	-131.431426	62.554812	2.0	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_3314	0	silt, water	-131.468646	62.565610	0.5	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3315	0	silt, water	-131.488930	62.556792	1.0	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3316	0	silt, water	-131.579176	62.521889	2.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3317	0	silt, water	-131.538299	62.492389	2.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3318	0	silt, water	-131.472472	62.520953	6.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3319	0	silt, water	-131.417999	62.507546	6.0	0.2	hilly, undulating	dendritic	ground	tertiary
105J_1989_3320	0	silt, water	-131.245332	62.556995	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3322	1	silt, water	-131.161822	62.621344	1.0	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_3323	2	silt, water	-131.161822	62.621344	1.0	0.5	hilly, undulating	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_3285	0	intermittent	stagnant	clear	colourless	organics	none	none	none	brown
105J_1989_3286	0	permanent	slow	clear	colourless	alluvial	none	none	none	brown
105J_1989_3288	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	brown
105J_1989_3289	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3290	0	intermittent	stagnant	clear	colourless	colluvial	possible	none	none	brown
105J_1989_3291	0	permanent	moderate	clear	colourless	colluvial	possible	none	none	brown
105J_1989_3292	0	intermittent	stagnant	clear	colourless	till	possible	none	none	brown
105J_1989_3293	0	permanent	stagnant	cloudy	brown	colluvial	none	none	none	brown
105J_1989_3294	0	permanent	slow	clear	colourless	colluvial	possible	none	none	grey, blue-grey
105J_1989_3295	0	intermittent	slow	clear	colourless	organics	none	none	none	brown
105J_1989_3296	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3297	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3298	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3299	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	brown
105J_1989_3300	0	permanent	moderate	clear	brown	colluvial	none	none	red-brown	brown
105J_1989_3302	0	permanent	slow	cloudy	brown	colluvial	none	none	none	brown
105J_1989_3303	0	permanent	slow	clear	colourless	till	none	none	pink	brown
105J_1989_3304	1	permanent	fast	clear	brown	till	none	none	red-brown	grey, blue-grey
105J_1989_3305	2	permanent	fast	clear	brown	till	none	none	red-brown	grey, blue-grey
105J_1989_3306	0	permanent	slow	clear	colourless	colluvial	burn	none	none	brown
105J_1989_3307	0	permanent	moderate	clear	colourless	colluvial	none	none	yellow	brown
105J_1989_3308	0	intermittent	stagnant	clear	colourless	colluvial	possible	yellow	red-brown	brown
105J_1989_3309	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3311	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3312	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3313	0	permanent	slow	clear	colourless	organics	none	none	red-brown	brown
105J_1989_3314	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3315	0	permanent	moderate	clear	colourless	colluvial	none	buff-white	red-brown	brown
105J_1989_3316	0	permanent	moderate	clear	colourless	colluvial	none	none	yellow	brown
105J_1989_3317	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3318	0	permanent	moderate	clear	colourless	till	none	none	none	brown
105J_1989_3319	0	permanent	moderate	clear	brown	colluvial	none	none	yellow	brown
105J_1989_3320	0	permanent	slow	cloudy	brown	colluvial	none	none	none	brown
105J_1989_3322	1	permanent	slow	cloudy	brown	organics	none	none	none	brown
105J_1989_3323	2	permanent	slow	cloudy	brown	organics	none	none	none	brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_3285	0	0,75,25
105J_1989_3286	0	0,75,25
105J_1989_3288	0	0,25,75
105J_1989_3289	0	25,50,25
105J_1989_3290	0	50,50,0
105J_1989_3291	0	0,100,0
105J_1989_3292	0	25,75,0
105J_1989_3293	0	0,25,75
105J_1989_3294	0	0,100,0
105J_1989_3295	0	0,50,50
105J_1989_3296	0	0,100,0
105J_1989_3297	0	0,75,25
105J_1989_3298	0	50,50,0
105J_1989_3299	0	0,75,25
105J_1989_3300	0	25,50,25
105J_1989_3302	0	0,50,50
105J_1989_3303	0	0,65,35
105J_1989_3304	1	50,50,0
105J_1989_3305	2	50,50,0
105J_1989_3306	0	50,50,0
105J_1989_3307	0	0,75,25
105J_1989_3308	0	25,50,25
105J_1989_3309	0	0,100,0
105J_1989_3311	0	0,100,0
105J_1989_3312	0	0,100,0
105J_1989_3313	0	0,50,50
105J_1989_3314	0	0,100,0
105J_1989_3315	0	25,50,25
105J_1989_3316	0	0,75,25
105J_1989_3317	0	0,75,25
105J_1989_3318	0	25,50,25
105J_1989_3319	0	25,75,0
105J_1989_3320	0	0,50,50
105J_1989_3322	1	0,75,25
105J_1989_3323	2	0,75,25

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_3324	0	silt, water	-131.089294	62.638376	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3325	0	silt, water	-131.033576	62.666306	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3326	0	silt, water	-131.037840	62.626062	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_3327	0	silt, water	-131.044098	62.589461	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3328	0	silt, water	-131.446957	62.423783	0.5	0.8	hilly, undulating	dendritic	ground	primary
105J_1989_3329	0	silt, water	-131.484168	62.444543	0.3	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3331	0	silt, water	-131.455725	62.455124	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3332	0	silt, water	-131.433896	62.466409	2.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3333	0	silt, water	-131.392371	62.482511	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3334	0	silt, water	-130.975995	62.654075	5.5	0.3	mountainous-mature	dendritic	ground	secondary
105J_1989_3335	0	silt, water	-130.945186	62.645590	0.5	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3336	0	silt, water	-130.934825	62.654281	1.0	0.1	mountainous-mature	dendritic	ground	secondary
105J_1989_3337	0	silt, water	-130.854369	62.672042	4.0	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3338	0	silt, water	-130.792319	62.669043	4.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3339	0	silt, water	-130.765169	62.633526	2.0	1.0	hilly, undulating	dendritic	ground	primary
105J_1989_3340	0	silt, water	-130.745357	62.653787	4.0	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3342	0	silt, water	-130.686583	62.680383	2.0	0.2	mountainous-mature	dendritic	ground	secondary
105J_1989_3343	0	silt, water	-130.713442	62.705395	0.3	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3345	0	silt, water	-130.663003	62.697069	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3346	1	silt, water	-130.617352	62.737619	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3347	2	silt, water	-130.617352	62.737619	0.5	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3348	0	silt, water	-130.609514	62.723784	2.0	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3349	0	silt, water	-130.517317	62.740099	3.0	0.3	hilly, undulating	dendritic	ground	secondary
105J_1989_3350	0	silt, water	-130.510899	62.736317	2.0	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3351	0	silt	-130.520061	62.729153	0.0	0.0	hilly, undulating	dendritic	unknown	primary
105J_1989_3352	0	silt, water	-130.563403	62.710416	4.0	0.5	hilly, undulating	dendritic	ground	secondary
105J_1989_3353	0	silt, water	-130.600136	62.679889	0.2	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3354	0	silt, water	-130.552841	62.677952	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3355	0	silt, water	-130.527694	62.671729	0.5	0.2	mountainous-mature	dendritic	ground	primary
105J_1989_3356	0	silt, water	-130.519740	62.657119	0.2	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3357	0	silt, water	-130.600176	62.653870	0.3	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3358	0	silt, water	-130.608253	62.650222	0.5	0.3	hilly, undulating	dendritic	ground	primary
105J_1989_3359	0	silt, water	-130.562905	62.646947	1.0	0.1	mountainous-mature	dendritic	ground	primary
105J_1989_3360	0	silt, water	-130.520456	62.597174	0.5	0.5	hilly, undulating	dendritic	ground	primary
105J_1989_3362	0	silt, water	-130.577692	62.620116	2.0	0.1	hilly, undulating	dendritic	ground	secondary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_3324	0	permanent	slow	cloudy	brown	organics	none	none	none	brown
105J_1989_3325	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3326	0	permanent	slow	cloudy	brown	organics	none	none	none	brown
105J_1989_3327	0	permanent	slow	cloudy	brown	organics	none	none	none	brown
105J_1989_3328	0	permanent	stagnant	cloudy	brown	organics	none	none	none	brown
105J_1989_3329	0	intermittent	slow	clear	colourless	organics	none	none	none	brown
105J_1989_3331	0	intermittent	slow	cloudy	brown	organics	none	none	none	brown
105J_1989_3332	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3333	0	intermittent	slow	clear	colourless	organics	none	none	none	brown
105J_1989_3334	0	permanent	fast	clear	colourless	colluvial	possible	none	none	grey, blue-grey
105J_1989_3335	0	permanent	fast	clear	colourless	colluvial	none	none	none	brown
105J_1989_3336	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3337	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3338	0	permanent	fast	clear	colourless	colluvial	none	none	none	brown
105J_1989_3339	0	permanent	slow	cloudy	brown	organics	none	none	none	brown
105J_1989_3340	0	permanent	fast	clear	colourless	colluvial	none	none	none	brown
105J_1989_3342	0	permanent	fast	clear	colourless	colluvial	none	none	red-brown	brown
105J_1989_3343	0	permanent	moderate	clear	colourless	colluvial	none	none	buff-white	brown
105J_1989_3345	0	permanent	moderate	clear	colourless	colluvial	none	none	red-brown	brown
105J_1989_3346	1	permanent	moderate	clear	colourless	colluvial	none	none	red-brown	brown
105J_1989_3347	2	permanent	moderate	clear	colourless	colluvial	none	none	red-brown	brown
105J_1989_3348	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3349	0	permanent	fast	clear	colourless	colluvial	none	none	none	brown
105J_1989_3350	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3351	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	brown
105J_1989_3352	0	permanent	fast	clear	colourless	colluvial	none	none	none	brown
105J_1989_3353	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3354	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3355	0	intermittent	stagnant	clear	colourless	colluvial	none	none	none	brown
105J_1989_3356	0	permanent	slow	clear	colourless	colluvial	none	none	red-brown	brown
105J_1989_3357	0	permanent	slow	cloudy	brown	organics	none	none	none	brown
105J_1989_3358	0	permanent	moderate	clear	colourless	organics	none	none	none	brown
105J_1989_3359	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3360	0	permanent	moderate	cloudy	white	colluvial	none	none	none	brown
105J_1989_3362	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_3324	0	0,25,75
105J_1989_3325	0	0,100,0
105J_1989_3326	0	0,75,25
105J_1989_3327	0	0,100,0
105J_1989_3328	0	0,50,50
105J_1989_3329	0	0,50,50
105J_1989_3331	0	0,100,0
105J_1989_3332	0	0,50,50
105J_1989_3333	0	0,50,50
105J_1989_3334	0	0,60,40
105J_1989_3335	0	0,75,25
105J_1989_3336	0	0,75,25
105J_1989_3337	0	40,60,0
105J_1989_3338	0	50,50,0
105J_1989_3339	0	0,50,50
105J_1989_3340	0	0,75,25
105J_1989_3342	0	0,100,0
105J_1989_3343	0	0,50,50
105J_1989_3345	0	50,50,0
105J_1989_3346	1	0,100,0
105J_1989_3347	2	0,100,0
105J_1989_3348	0	0,75,25
105J_1989_3349	0	0,100,0
105J_1989_3350	0	0,50,50
105J_1989_3351	0	0,75,25
105J_1989_3352	0	0,50,50
105J_1989_3353	0	25,50,25
105J_1989_3354	0	0,75,25
105J_1989_3355	0	0,75,25
105J_1989_3356	0	0,60,40
105J_1989_3357	0	0,75,25
105J_1989_3358	0	0,75,25
105J_1989_3359	0	0,50,50
105J_1989_3360	0	0,75,25
105J_1989_3362	0	0,75,25

Unique ID	Rep Stat	Sample Type(s)	Longitude NAD83	Lattitude NAD83	Width (m)	Depth (m)	Physiography	Drainage Pattern	Stream Source	Stream Class
105J_1989_3363	1	silt, water	-130.642907	62.606525	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3364	2	silt, water	-130.642907	62.606525	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3365	0	silt, water	-130.681939	62.603826	9.0	1.5	hilly, undulating	dendritic	ground	tertiary
105J_1989_3366	0	silt, water	-130.682363	62.618510	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3367	0	silt, water	-130.679503	62.617592	1.2	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3368	0	silt, water	-130.819994	62.607092	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3369	0	silt, water	-130.814353	62.620975	4.0	0.5	hilly, undulating	dendritic	ground	secondary
105J_1989_3370	0	silt, water	-130.833347	62.623269	2.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3372	0	silt, water	-130.850450	62.622721	1.2	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3373	0	silt, water	-130.900635	62.615979	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3374	0	silt, water	-130.918990	62.595346	3.0	0.2	plain	dendritic	ground	secondary
105J_1989_3375	0	silt, water	-130.954741	62.572296	3.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3376	0	silt, water	-130.988667	62.588312	2.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3377	0	silt, water	-131.020227	62.739397	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3378	0	silt, water	-131.070438	62.783247	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3379	0	silt, water	-131.034135	62.805776	0.3	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3380	0	silt, water	-130.983941	62.800998	3.0	0.2	hilly, undulating	dendritic	ground	secondary
105J_1989_3382	1	silt, water	-130.979743	62.821421	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3383	2	silt, water	-130.979743	62.821421	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3384	0	silt, water	-130.899464	62.839139	0.5	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3385	0	silt, water	-130.850835	62.853506	0.2	0.1	hilly, undulating	dendritic	ground	primary
105J_1989_3386	0	silt, water	-130.818607	62.858245	0.3	0.1	hilly, undulating	dendritic	ground	secondary
105J_1989_3387	0	silt, water	-130.819748	62.856991	3.0	0.2	hilly, undulating	dendritic	ground	tertiary
105J_1989_3388	0	silt, water	-130.807089	62.847045	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3389	0	silt, water	-130.840564	62.814369	1.5	0.7	hilly, undulating	dendritic	ground	primary
105J_1989_3390	0	silt	-130.877872	62.817180	0.0	0.0	hilly, undulating	dendritic	unknown	primary
105J_1989_3391	0	silt, water	-130.915384	62.784387	0.4	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3392	0	silt, water	-130.961743	62.773089	0.5	0.2	hilly, undulating	dendritic	ground	primary
105J_1989_3393	0	silt, water	-130.887093	62.769030	0.7	0.2	hilly, undulating	dendritic	ground	primary

Unique ID	Rep Stat	Stream Type	Stream Flow	Water Colour	Water Clarity	Bank Type(s)	Contamination(s)	Bank Precipitate	Bottom Precipitate	Sample Colour
105J_1989_3363	1	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3364	2	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3365	0	permanent	slow	clear	colourless	alluvial	none	none	none	brown
105J_1989_3366	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3367	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3368	0	permanent	slow	cloudy	brown	organics	none	none	red-brown	brown
105J_1989_3369	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3370	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3372	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3373	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3374	0	permanent	moderate	cloudy	white	colluvial	none	none	none	brown
105J_1989_3375	0	permanent	moderate	cloudy	white	colluvial	none	none	none	brown
105J_1989_3376	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3377	0	permanent	slow	clear	colourless	colluvial	possible	none	none	brown
105J_1989_3378	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3379	0	permanent	stagnant	clear	colourless	colluvial	none	none	none	brown
105J_1989_3380	0	permanent	moderate	clear	colourless	till	none	red-brown	none	brown
105J_1989_3382	1	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3383	2	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3384	0	permanent	moderate	clear	colourless	colluvial	possible	none	none	brown
105J_1989_3385	0	permanent	slow	clear	brown	colluvial	possible	none	red-brown	brown
105J_1989_3386	0	permanent	moderate	clear	colourless	colluvial	none	none	none	brown
105J_1989_3387	0	permanent	moderate	clear	colourless	colluvial	none	none	red-brown	brown
105J_1989_3388	0	permanent	slow	clear	colourless	colluvial	none	red-brown	red-brown	brown
105J_1989_3389	0	permanent	slow	clear	colourless	colluvial	none	none	none	brown
105J_1989_3390	0	permanent	stagnant	clear	colourless	organics	none	none	red-brown	brown
105J_1989_3391	0	permanent	slow	clear	colourless	organics	none	none	none	brown
105J_1989_3392	0	permanent	stagnant	cloudy	brown	organics	none	none	red-brown	red-brown
105J_1989_3393	0	intermittent	stagnant	clear	colourless	organics	none	none	red-brown	brown

Unique ID	Rep Stat	Sediment Composition (sand, fines, organics)
105J_1989_3363	1	0,75,25
105J_1989_3364	2	0,75,25
105J_1989_3365	0	50,50,0
105J_1989_3366	0	0,100,0
105J_1989_3367	0	0,40,60
105J_1989_3368	0	0,75,25
105J_1989_3369	0	25,50,25
105J_1989_3370	0	0,75,25
105J_1989_3372	0	0,75,25
105J_1989_3373	0	0,75,25
105J_1989_3374	0	0,75,25
105J_1989_3375	0	50,50,0
105J_1989_3376	0	0,75,25
105J_1989_3377	0	0,75,25
105J_1989_3378	0	0,75,25
105J_1989_3379	0	0,100,0
105J_1989_3380	0	0,50,50
105J_1989_3382	1	25,75,0
105J_1989_3383	2	25,75,0
105J_1989_3384	0	0,75,25
105J_1989_3385	0	0,75,25
105J_1989_3386	0	0,75,25
105J_1989_3387	0	0,75,25
105J_1989_3388	0	0,50,50
105J_1989_3389	0	0,100,0
105J_1989_3390	0	0,75,25
105J_1989_3391	0	0,75,25
105J_1989_3392	0	0,75,25
105J_1989_3393	0	0,60,40

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Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1002	1	<0.2	50	2.42	2	4.6	5.7	<2			1	157.8	970	0.18	5.4	0.85
105J_1989_1003	2	<0.2	40	2.38	2	4.3	6.0	<2			1	150.8	1100	0.17	4.3	0.80
105J_1989_1004	0	0.2	155	1.92	3	5.6	9.0	<2			1	195.2	920	0.24	11.0	0.57
105J_1989_1005	0	<0.2	77	1.19	2	3.0	4.5	4			1	176.9	1300	0.09	0.7	0.65
105J_1989_1006	0	<0.2	149	1.49	3	6.3	7.9	3			1	272.9	1300	0.16	3.9	0.71
105J_1989_1007	0	0.2	85	1.18	3	5.0	6.8	<2			1	192.1	1200	0.18	3.9	0.49
105J_1989_1008	0	<0.2	276	1.98	4	8.7	10.0	<2			<1	214.7	830	0.35	7.1	0.61
105J_1989_1009	0	<0.2	110	1.20	3	5.8	8.1	<2			1	172.9	1100	0.30	3.6	0.51
105J_1989_1010	0	<0.2	60	1.31	2	4.2	5.5	<2			1	223.3	1200	0.14	7.5	0.30
105J_1989_1011	0	<0.2	55	1.53	2	3.2	5.0	<2			<1	157.2	1200	0.18	7.2	0.41
105J_1989_1012	0	0.3	122	0.27	3	4.6	5.0	<2			9	191.2	270	0.05	25.0	2.86
105J_1989_1013	0	0.2	123	0.84	1	1.8	3.0	<2			4	142.2	900	0.07	30.0	0.99
105J_1989_1014	0	0.3	199	0.40	2	1.0	4.1	<2			14	233.5	850	0.05	16.0	2.18
105J_1989_1015	0	0.2	172	0.74	4	7.0	8.7	5			2	234.6	1600	0.11	17.0	0.62
105J_1989_1016	0	0.2	63	0.11	5	11.5	12.0	<2			93	26.4	<50	0.02	112.0	2.96
105J_1989_1017	0	<0.2	274	0.62	7	12.3	15.0	5			3	427.4	2600	0.12	18.0	0.87
105J_1989_1019	0	<0.2	145	0.44	4	7.3	7.8	<2			13	431.3	890	0.07	13.0	3.67
105J_1989_1020	0	0.4	240	0.67	2	2.8	4.0	4			2	459.2	1800	0.11	4.3	0.90
105J_1989_1022	0	0.2	271	0.59	8	12.7	15.0	3			2	365.0	1800	0.12	2.7	0.81
105J_1989_1023	0	<0.2	107	0.19	70	113.4	99.1	<2			8	135.5	540	0.10	44.0	3.13
105J_1989_1024	0	<0.2	283	0.98	9	14.9	20.0	4			2	300.0	1700	0.42	5.1	0.99
105J_1989_1025	1	0.2	136	0.51	5	7.6	10.0	3			2	449.0	2300	0.08	2.0	0.59
105J_1989_1026	2	<0.2	168	0.55	5	8.1	12.0	5			2	445.6	2500	0.08	2.0	0.56
105J_1989_1027	0	0.3	294	0.69	10	16.3	22.0	5			2	347.1	2100	0.26	2.0	1.03
105J_1989_1028	0	0.5	586	0.74	16	26.7	33.0	4			3	233.1	1200	0.18	6.1	0.95
105J_1989_1029	0	0.5	387	0.70	11	17.6	21.0	<2			1	308.3	2200	0.63	1.6	0.84
105J_1989_1030	0	0.3	183	1.07	16	10.8	14.0	<2			2	275.9	1300	0.15	14.0	0.92
105J_1989_1031	0	0.5	474	0.79	14	24.5	24.0	3			2	322.0	690	0.28	24.0	1.36
105J_1989_1032	0	<0.2	236	0.74	14	20.9	25.0	3			2	642.4	2200	0.32	6.6	0.77
105J_1989_1033	0	0.2	231	0.68	5	9.0	11.0	3			1	470.4	2400	0.17	1.8	0.57
105J_1989_1034	0	<0.2	137	0.56	4	6.2	8.2	<2			2	459.4	2700	0.09	2.0	0.74
105J_1989_1035	0	0.4	221	0.57	1	1.8	3.3	<2			1	201.1	1500	0.10	7.0	0.75
105J_1989_1036	0	0.3	336	0.54	7	9.8	14.0	5			1	316.4	1900	0.28	1.3	0.73

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1002	1	<0.2	0.27	68	5	7.2	8	11.6	26	5.3	9	6.70	<1	308	3.18	3.04	4.0
105J_1989_1003	2	<0.2	0.22	90	7	7.0	12	11.2	26	5.3	8	6.20	<1	358	3.33	2.96	4.9
105J_1989_1004	0	<0.2	0.39	73	8	8.3	10	10.8	<20	16.0	9	7.72	<1	502	3.47	3.30	4.0
105J_1989_1005	0	<0.2	0.23	66	3	4.0	8	8.7	36	3.2	10	8.13	<1	336	1.21	1.16	2.1
105J_1989_1006	0	<0.2	0.28	66	4	3.9	6	10.2	30	4.0	12	8.98	1	314	1.92	1.54	2.3
105J_1989_1007	0	0.3	0.40	80	3	4.0	<5	9.1	35	6.2	11	8.25	<1	323	1.55	1.36	2.2
105J_1989_1008	0	0.3	0.38	60	4	3.7	9	9.6	28	15.0	11	8.58	<1	303	1.90	1.48	2.8
105J_1989_1009	0	<0.2	0.36	95	3	3.7	8	9.3	44	10.0	11	8.66	<1	341	1.43	1.31	2.1
105J_1989_1010	0	<0.2	0.32	74	6	5.3	7	11.9	49	3.9	11	8.21	1	367	2.22	1.66	2.5
105J_1989_1011	0	<0.2	0.18	83	4	4.5	7	8.5	30	6.9	8	6.99	1	332	1.85	1.67	3.0
105J_1989_1012	0	1.5	1.77	12	5	6.1	<5	4.5	<20	<0.5	27	21.94	<1	106	0.94	1.05	1.1
105J_1989_1013	0	0.5	0.69	52	3	3.0	<5	7.8	29	3.2	23	20.22	<1	339	1.05	0.84	1.3
105J_1989_1014	0	2.7	3.23	28	5	5.0	9	4.3	<20	0.8	38	31.62	<1	279	0.54	0.66	1.7
105J_1989_1015	0	1.3	1.20	62	7	6.4	8	10.5	49	3.2	22	19.25	<1	371	1.57	1.31	2.2
105J_1989_1016	0	0.2	0.40	<5	<2	0.9	<5	2.5	<20	<0.5	11	8.82	<1	86	0.26	0.20	0.3
105J_1989_1017	0	0.9	1.08	56	6	5.7	7	9.9	47	4.0	24	19.63	1	535	1.84	1.50	2.3
105J_1989_1019	0	1.7	2.03	19	6	5.9	7	24.3	45	1.7	30	24.08	<1	182	0.94	1.10	1.3
105J_1989_1020	0	0.5	0.85	60	4	4.2	5	13.6	55	2.8	27	25.18	1	385	1.10	0.97	1.4
105J_1989_1022	0	1.8	2.44	56	5	6.1	7	9.1	68	4.8	19	20.35	<1	510	1.39	1.41	1.9
105J_1989_1023	0	0.6	1.19	<5	8	10.4	6	3.4	<20	<0.5	31	30.77	<1	38	4.59	5.26	4.4
105J_1989_1024	0	1.4	1.90	65	8	7.5	10	13.3	57	6.4	32	29.84	<1	405	1.99	1.72	2.2
105J_1989_1025	1	0.4	0.68	49	4	4.0	6	7.8	43	3.2	15	13.76	<1	589	1.22	1.13	1.6
105J_1989_1026	2	0.5	0.71	53	5	4.3	6	8.4	62	3.9	16	14.65	<1	566	1.17	1.10	1.6
105J_1989_1027	0	1.0	1.39	78	7	7.9	10	10.6	69	5.1	32	27.46	1	601	1.90	1.79	2.4
105J_1989_1028	0	11.6	13.55	58	11	15.3	18	11.2	61	6.8	37	37.57	1	504	2.25	2.18	2.9
105J_1989_1029	0	1.8	1.62	70	8	9.6	12	11.2	60	4.4	39	33.96	<1	565	2.19	1.97	2.4
105J_1989_1030	0	0.5	0.87	62	6	7.4	10	12.8	56	5.2	19	16.96	<1	417	1.96	1.66	2.4
105J_1989_1031	0	10.0	14.47	43	6	6.3	6	7.1	26	2.5	182	170.83	<1	188	2.01	1.64	1.8
105J_1989_1032	0	1.6	1.74	84	7	8.6	9	10.8	46	3.5	21	18.92	1	535	3.22	3.08	3.8
105J_1989_1033	0	0.5	0.87	69	5	6.3	7	10.7	53	3.5	23	18.84	<1	535	1.70	1.48	2.1
105J_1989_1034	0	0.8	1.11	87	6	4.9	6	10.1	66	3.6	15	14.05	<1	774	1.31	1.28	1.8
105J_1989_1035	0	1.3	1.28	39	3	3.3	<5	8.4	45	3.6	19	16.27	<1	453	0.95	0.80	1.0
105J_1989_1036	0	1.4	1.43	62	6	7.0	7	9.6	56	4.2	38	31.38	<1	464	1.70	1.52	1.9

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1002	1	7.1	11	43	33	0.12	28.0	32	7.3	<0.2	0.76	475	566	<2	0.36	<1
105J_1989_1003	2	6.7	13	44	30	0.12	28.6	40	5.9	<0.2	0.77	442	545	<2	0.33	<1
105J_1989_1004	0	5.7	7	153	143	0.15	29.5	33	9.5	<0.2	0.47	710	912	<2	0.63	<1
105J_1989_1005	0	3.4	8	38	37	0.07	15.1	34	3.6	<0.2	0.32	139	152	<2	0.39	<1
105J_1989_1006	0	4.6	7	61	44	0.10	20.9	33	11.6	<0.2	0.34	172	180	<2	0.72	<1
105J_1989_1007	0	3.5	9	48	35	0.09	21.7	36	6.3	<0.2	0.27	283	292	<2	0.62	<1
105J_1989_1008	0	5.2	3	69	51	0.10	25.1	32	15.8	<0.2	0.27	209	219	<2	0.83	<1
105J_1989_1009	0	3.5	8	40	18	0.11	31.3	43	5.9	<0.2	0.24	280	286	<2	0.64	<1
105J_1989_1010	0	4.0	8	55	58	0.06	18.3	30	9.0	<0.2	0.28	548	515	<2	0.93	<1
105J_1989_1011	0	4.8	7	48	29	0.08	24.5	36	9.8	<0.2	0.31	295	308	<2	0.63	<1
105J_1989_1012	0	0.6	1	77	67	0.02	2.0	4	75.2	<0.2	0.30	144	142	7	5.47	5
105J_1989_1013	0	2.4	5	56	63	0.11	18.7	24	24.1	<0.2	0.30	139	119	<2	0.52	<1
105J_1989_1014	0	1.1	3	38	19	0.04	3.0	14	28.4	<0.2	0.24	1508	1291	<2	1.12	<1
105J_1989_1015	0	2.4	6	81	65	0.10	15.4	30	11.1	<0.2	0.31	224	218	<2	0.96	<1
105J_1989_1016	0	0.6	<1	73	53	0.05	<0.5	<2	88.8	<0.2	0.40	21	19	6	4.43	5
105J_1989_1017	0	1.8	5	109	94	0.09	9.3	26	13.6	<0.2	0.30	356	336	<2	1.38	1
105J_1989_1019	0	1.3	1	81	71	0.04	3.1	8	60.6	<0.2	0.71	982	937	5	4.09	4
105J_1989_1020	0	1.9	5	100	80	0.06	12.2	27	16.1	<0.2	0.41	272	262	<2	0.99	<1
105J_1989_1022	0	1.6	5	85	76	0.07	13.0	28	8.3	<0.2	0.35	395	428	2	2.95	2
105J_1989_1023	0	0.5	<1	85	84	0.02	2.8	3	77.6	<0.2	0.23	1534	2760	9	7.56	7
105J_1989_1024	0	3.0	5	96	95	0.08	15.7	32	16.1	<0.2	0.45	411	384	<2	0.42	<1
105J_1989_1025	1	1.5	4	109	88	0.07	9.0	23	4.5	<0.2	0.23	192	218	<2	0.76	<1
105J_1989_1026	2	1.7	5	111	104	0.08	10.0	27	4.7	<0.2	0.24	108	131	<2	0.61	<1
105J_1989_1027	0	2.1	5	85	77	0.08	13.7	36	5.4	<0.2	0.60	334	325	6	4.53	5
105J_1989_1028	0	1.9	4	161	156	0.12	13.0	29	13.2	<0.2	0.29	1872	1756	11	10.60	12
105J_1989_1029	0	2.1	4	105	96	0.09	12.6	32	7.6	<0.2	0.47	404	419	6	4.64	4
105J_1989_1030	0	2.8	3	85	67	0.07	11.3	30	19.8	<0.2	0.51	1482	1274	<2	0.79	<1
105J_1989_1031	0	1.2	2	121	116	0.03	27.7	30	59.9	<0.2	0.18	789	686	2	1.71	1
105J_1989_1032	0	2.3	7	107	91	0.09	16.1	38	9.0	<0.2	0.28	1399	1539	<2	1.35	<1
105J_1989_1033	0	2.2	7	117	110	0.07	14.1	31	8.5	<0.2	0.27	309	315	<2	0.93	<1
105J_1989_1034	0	1.7	6	88	88	0.07	12.8	39	7.0	<0.2	0.25	309	329	<2	1.19	<1
105J_1989_1035	0	1.4	4	115	98	0.06	7.6	20	20.5	<0.2	0.20	124	113	<2	0.49	<1
105J_1989_1036	0	1.5	6	86	83	0.08	13.5	32	6.4	<0.2	0.36	142	152	5	4.77	5

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1002	1	0.049	1.30	7	4.1	0.057	13	10.44	110	0.03	0.4	0.26	0.8	8.0	18.0	0.2
105J_1989_1003	2	0.048	1.40	3	3.9	0.060	14	10.11	130	0.02	0.4	0.23	0.8	7.7	21.6	0.1
105J_1989_1004	0	0.029	1.10	4	4.8	0.066	17	14.83	140	0.06	1.0	0.84	2.2	8.1	17.0	0.6
105J_1989_1005	0	0.036	1.30	8	8.4	0.082	11	8.35	100	0.01	0.4	0.35	1.0	2.7	11.0	0.2
105J_1989_1006	0	0.028	1.20	8	8.7	0.071	12	10.62	95	0.05	0.3	0.42	0.9	3.7	11.0	0.8
105J_1989_1007	0	0.018	1.30	9	8.5	0.065	13	13.03	130	0.02	0.3	0.39	1.0	2.6	10.0	0.5
105J_1989_1008	0	0.029	1.30	7	7.5	0.080	21	20.00	130	0.05	0.3	0.29	0.7	2.7	13.0	0.5
105J_1989_1009	0	0.018	1.40	9	8.9	0.061	22	19.21	160	<0.01	0.3	0.38	1.1	2.7	10.0	0.1
105J_1989_1010	0	0.023	1.50	11	10.3	0.067	11	8.15	90	0.01	0.2	0.31	0.8	2.5	10.0	0.3
105J_1989_1011	0	0.026	1.60	8	6.3	0.060	12	11.52	120	0.02	0.2	0.19	0.6	2.6	13.0	0.2
105J_1989_1012	0	0.027	0.28	17	18.1	0.089	6	2.20	10	1.01	0.3	0.92	0.9	0.5	1.2	3.8
105J_1989_1013	0	0.017	0.75	12	12.3	0.081	6	5.03	86	0.22	0.2	0.51	1.1	1.8	6.5	1.3
105J_1989_1014	0	0.047	1.60	28	24.9	0.048	4	2.48	47	0.23	0.3	0.74	1.0	0.6	4.1	6.8
105J_1989_1015	0	0.014	0.75	19	21.4	0.099	11	7.90	90	0.09	0.9	0.92	1.7	1.9	8.4	0.9
105J_1989_1016	0	0.009	0.03	5	3.6	0.147	5	2.53	<5	0.85	0.5	1.47	1.5	0.3	0.3	5.7
105J_1989_1017	0	0.007	0.43	20	20.1	0.147	12	8.28	82	0.09	0.9	1.20	1.9	1.7	8.2	1.6
105J_1989_1019	0	0.009	0.28	73	66.8	0.098	10	5.08	24	0.73	0.4	0.93	1.0	0.9	4.2	5.1
105J_1989_1020	0	0.022	0.65	20	20.0	0.107	8	7.36	50	0.23	0.6	0.87	1.4	2.2	7.4	1.3
105J_1989_1022	0	0.008	0.41	29	30.4	0.128	14	11.78	82	0.05	1.6	1.99	3.2	1.7	7.8	1.6
105J_1989_1023	0	0.005	0.04	18	20.3	0.133	9	4.38	6	1.44	1.4	2.07	1.6	0.6	0.7	3.1
105J_1989_1024	0	0.010	0.71	21	22.1	0.088	22	22.11	110	0.07	0.6	0.79	1.6	2.6	8.6	1.4
105J_1989_1025	1	0.005	0.34	14	14.0	0.139	8	6.80	76	0.01	0.5	0.66	1.4	1.5	6.0	0.7
105J_1989_1026	2	0.005	0.38	15	13.9	0.137	10	7.72	85	0.02	0.4	0.66	1.5	1.7	6.9	0.8
105J_1989_1027	0	0.006	0.42	30	29.0	0.133	20	15.72	100	0.04	2.1	2.26	3.8	2.2	9.1	1.1
105J_1989_1028	0	0.008	0.43	94	87.7	0.145	19	17.31	93	0.08	2.9	3.47	5.9	2.1	9.3	3.8
105J_1989_1029	0	0.006	0.39	36	35.7	0.119	22	19.41	99	0.07	2.4	2.43	3.6	2.6	8.5	1.5
105J_1989_1030	0	0.015	1.00	20	19.9	0.090	12	10.83	100	0.11	0.4	0.57	1.0	1.8	10.0	1.6
105J_1989_1031	0	0.007	0.30	40	36.2	0.144	16	13.59	25	0.83	0.4	0.70	0.8	0.8	3.9	1.8
105J_1989_1032	0	0.007	0.51	20	22.6	0.151	15	11.85	73	0.01	1.0	0.97	1.6	2.2	7.6	0.9
105J_1989_1033	0	0.006	0.53	16	17.2	0.114	15	10.87	89	<0.01	1.0	0.98	1.7	2.0	7.8	0.9
105J_1989_1034	0	0.004	0.38	19	19.7	0.218	12	10.41	82	0.02	0.9	1.04	1.8	1.5	7.3	0.5
105J_1989_1035	0	0.006	0.33	13	12.7	0.096	11	7.99	81	0.19	0.2	0.41	0.8	1.3	5.7	1.2
105J_1989_1036	0	0.005	0.47	32	38.3	0.100	13	12.59	100	0.03	2.5	2.54	4.2	1.9	7.6	1.3

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1002	1	6.6	3	94.0	1.1	1.2	<0.02	7.8	14.0	0.058	0.08	2.2	4.9	4.8	44	51
105J_1989_1003	2	7.7	5	89.7	1.3	1.3	<0.02	8.1	16.0	0.061	0.07	1.9	5.0	4.7	42	51
105J_1989_1004	0	7.5	3	42.7	1.4	1.3	<0.02	7.1	15.0	0.023	0.17	3.2	5.6	6.2	39	44
105J_1989_1005	0	5.6	3	43.9	1.1	0.9	<0.02	4.8	11.0	0.047	0.07	1.5	4.4	3.8	25	27
105J_1989_1006	0	5.7	5	46.4	1.2	0.9	<0.02	3.1	11.0	0.053	0.10	4.7	7.7	8.2	30	30
105J_1989_1007	0	6.3	3	33.5	1.5	0.8	<0.02	5.2	15.0	0.038	0.09	6.3	10.0	10.6	23	25
105J_1989_1008	0	8.3	2	38.4	1.6	1.6	<0.02	2.5	15.0	0.020	0.14	15.8	20.0	22.1	28	29
105J_1989_1009	0	8.9	3	37.5	2.1	1.3	<0.02	7.4	19.0	0.029	0.12	9.8	16.0	15.4	23	21
105J_1989_1010	0	5.2	3	27.7	1.2	0.6	<0.02	1.9	11.0	0.034	0.12	4.1	6.8	7.4	31	31
105J_1989_1011	0	6.3	2	44.0	1.2	0.9	<0.02	2.6	14.0	0.023	0.11	4.1	7.4	7.3	24	28
105J_1989_1012	0	0.4	4	191.7	<0.5	<0.5	0.03	0.3	1.3	0.007	0.03	12.8	12.0	15.1	13	13
105J_1989_1013	0	4.0	4	49.7	0.8	<0.5	<0.02	1.8	9.0	0.035	0.12	8.9	12.0	13.0	17	20
105J_1989_1014	0	1.7	9	128.2	<0.5	<0.5	<0.02	0.2	4.0	0.012	0.03	16.8	20.4	21.5	13	15
105J_1989_1015	0	4.5	4	42.5	0.8	0.7	0.02	3.0	8.7	0.021	0.12	3.1	5.6	5.6	33	30
105J_1989_1016	0	<0.7	8	135.0	<0.5	<0.5	<0.02	<0.1	0.2	0.003	<0.02	31.0	32.4	37.1	11	7
105J_1989_1017	0	4.4	3	71.9	0.8	0.6	0.03	1.9	7.5	0.006	0.10	2.8	5.7	5.5	31	31
105J_1989_1019	0	1.2	13	147.8	<0.5	<0.5	<0.02	0.3	2.5	0.005	0.04	6.3	6.7	8.2	24	20
105J_1989_1020	0	4.9	3	55.1	0.8	0.7	<0.02	2.5	7.6	0.011	0.10	2.0	4.4	4.3	24	25
105J_1989_1022	0	4.7	4	41.4	0.8	0.6	0.02	2.8	7.7	0.007	0.17	1.6	4.5	4.5	26	33
105J_1989_1023	0	0.5	9	108.1	<0.5	<0.5	<0.02	0.4	0.8	0.003	0.04	6.0	5.0	6.3	20	15
105J_1989_1024	0	6.0	4	45.2	1.2	0.8	0.03	4.4	11.0	0.012	0.14	1.3	4.1	3.9	28	27
105J_1989_1025	1	4.1	3	46.0	0.9	0.6	0.02	2.3	7.2	0.005	0.10	1.0	3.4	3.1	23	27
105J_1989_1026	2	4.7	2	45.9	0.9	0.7	0.02	2.5	8.4	0.006	0.12	1.0	4.0	3.3	28	29
105J_1989_1027	0	6.2	5	47.4	1.1	0.8	0.02	3.8	10.0	0.007	0.12	1.6	5.2	4.5	35	37
105J_1989_1028	0	4.9	3	41.5	1.1	0.7	0.06	2.4	8.3	0.007	0.37	2.6	6.0	5.7	37	43
105J_1989_1029	0	5.2	5	40.3	1.1	0.6	0.04	3.7	9.3	0.005	0.15	1.9	4.8	4.9	31	36
105J_1989_1030	0	4.7	5	37.5	1.0	0.6	<0.02	1.8	10.0	0.006	0.09	1.9	3.9	4.0	19	20
105J_1989_1031	0	5.1	5	61.0	<0.5	0.7	0.02	0.6	3.7	0.005	0.11	2.4	3.0	3.4	12	11
105J_1989_1032	0	6.5	2	51.5	0.8	0.9	0.03	4.0	14.0	0.008	0.14	2.3	5.1	5.3	34	41
105J_1989_1033	0	5.0	3	47.6	0.8	0.7	0.02	3.3	9.3	0.007	0.11	1.6	4.5	4.4	30	35
105J_1989_1034	0	6.7	4	61.2	0.9	0.8	0.02	2.9	9.1	0.004	0.11	1.5	4.6	4.3	26	33
105J_1989_1035	0	3.5	2	39.2	0.8	<0.5	<0.02	1.6	6.9	0.002	0.12	1.8	4.2	4.3	19	19
105J_1989_1036	0	6.3	2	33.4	1.4	0.9	0.05	4.2	11.0	0.006	0.18	1.4	5.6	4.8	26	27

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1002	1	<0.1	1	17.06	2	79	79.1
105J_1989_1003	2	<0.1	<1	29.73	4	137	69.2
105J_1989_1004	0	<0.1	3	17.34	4	100	89.0
105J_1989_1005	0	0.2	1	17.30	2	87	59.1
105J_1989_1006	0	0.1	1	25.97	3	87	67.8
105J_1989_1007	0	0.2	1	18.39	3	62	60.9
105J_1989_1008	0	0.3	<1	16.99	5	94	64.9
105J_1989_1009	0	0.2	<1	26.51	5	200	59.5
105J_1989_1010	0	0.2	1	11.52	2	97	62.4
105J_1989_1011	0	0.1	1	34.24	3	90	61.0
105J_1989_1012	0	0.1	<1	14.57	<2	84	66.5
105J_1989_1013	0	<0.1	<1	11.75	<2	151	114.1
105J_1989_1014	0	<0.1	<1	21.49	<2	168	105.4
105J_1989_1015	0	0.2	1	21.80	<2	150	133.5
105J_1989_1016	0	<0.1	<1	15.13	<2	274	61.5
105J_1989_1017	0	0.8	<1	35.57	2	153	143.6
105J_1989_1019	0	0.1	<1	16.09	<2	110	81.9
105J_1989_1020	0	0.1	1	27.68	<2	231	97.6
105J_1989_1022	0	0.1	1	40.39	<2	302	294.1
105J_1989_1023	0	0.2	<1	13.24	<2	425	153.0
105J_1989_1024	0	0.2	2	30.95	<2	228	167.9
105J_1989_1025	1	<0.1	<1	21.95	<2	140	106.5
105J_1989_1026	2	<0.1	1	35.46	2	120	110.5
105J_1989_1027	0	0.1	2	33.77	<2	188	185.2
105J_1989_1028	0	0.2	2	28.87	2	1125	976.5
105J_1989_1029	0	1.4	2	13.35	<2	244	202.4
105J_1989_1030	0	<0.1	2	23.48	<2	254	118.0
105J_1989_1031	0	0.2	<1	13.89	<2	870	692.3
105J_1989_1032	0	0.3	2	28.61	<2	194	146.4
105J_1989_1033	0	0.1	1	39.65	<2	163	122.7
105J_1989_1034	0	0.2	2	46.57	<2	233	235.6
105J_1989_1035	0	<0.1	1	21.84	<2	137	140.7
105J_1989_1036	0	<0.1	1	40.31	<2	160	159.2

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1037	0	0.3	281	0.60	2	3.9	5.5	3			6	445.7	2200	0.13	2.2	0.78
105J_1989_1039	0	0.5	262	0.62	4	6.4	10.0	7			5	390.9	1700	0.10	8.2	1.60
105J_1989_1040	0	0.3	392	0.67	3	5.2	6.8	7			6	380.9	1300	0.13	8.5	2.04
105J_1989_1042	0	0.5	526	0.56	6	8.9	13.0	6			4	478.5	2000	0.15	6.8	1.21
105J_1989_1044	1	0.7	474	0.71	5	9.7	12.0	3			4	465.8	1600	0.15	6.3	1.43
105J_1989_1045	2	0.4	419	0.70	4	6.4	8.2	3			5	399.7	1600	0.14	5.8	1.31
105J_1989_1046	0	<0.2	188	0.61	4	7.0	8.7	6			3	921.7	3700	0.11	2.8	0.73
105J_1989_1047	0	0.4	194	0.54	3	5.0	7.1	<2			2	600.5	2600	0.09	5.3	0.82
105J_1989_1048	0	0.3	161	0.68	2	2.5	3.6	<2			3	262.6	1500	0.09	4.9	0.67
105J_1989_1049	0	0.4	225	0.71	1	2.6	4.2	4			2	296.6	2000	0.12	2.4	0.56
105J_1989_1050	0	<0.2	221	0.39	1	1.4	2.4	3			3	259.3	780	0.06	12.0	2.30
105J_1989_1051	0	0.2	187	0.40	2	3.9	5.1	4			9	288.9	670	0.10	18.0	3.31
105J_1989_1052	0	0.4	262	1.01	2	5.3	7.0	5			3	336.5	1700	0.19	6.1	0.67
105J_1989_1053	0	0.3	322	0.68	3	4.3	6.6	4			4	409.7	1700	0.14	6.1	1.66
105J_1989_1054	0	0.5	289	0.81	2	5.0	6.5	5			3	281.2	1200	0.16	5.0	0.84
105J_1989_1055	0	<0.2	204	0.86	5	8.5	11.0	5			2	313.5	2000	0.17	5.6	0.77
105J_1989_1056	0	0.6	298	0.75	3	8.4	10.0	<2			4	249.9	1000	0.10	19.0	1.94
105J_1989_1057	0	0.3	315	1.01	6	10.8	13.0	5			5	282.1	2400	0.15	4.8	0.78
105J_1989_1058	0	0.3	297	0.88	17	25.0	35.0	<2			4	469.1	3100	0.17	3.5	0.69
105J_1989_1059	0	0.3	236	0.99	7	11.4	14.0	5			3	415.1	2600	0.14	2.1	0.49
105J_1989_1060	0	0.4	444	1.17	13	21.3	26.0	14	6	18.60	2	411.6	2500	0.24	4.5	0.53
105J_1989_1062	1	0.4	377	1.19	15	23.6	28.0	7			5	623.2	3000	0.21	10.0	0.76
105J_1989_1063	2	0.3	371	1.17	16	28.2	29.0	6			4	736.3	3400	0.23	9.2	0.75
105J_1989_1064	0	0.5	205	0.81	2	2.9	5.0	5			2	337.2	2400	0.14	5.6	0.56
105J_1989_1065	0	0.3	178	0.84	3	5.5	6.8	<2			3	404.0	1700	0.13	6.0	1.16
105J_1989_1066	0	<0.2	326	0.93	5	8.6	11.0	5			5	534.1	1900	0.15	7.7	1.02
105J_1989_1068	0	0.5	336	1.00	6	10.3	11.0	8			4	497.6	2300	0.17	3.0	0.82
105J_1989_1069	0	0.3	164	0.74	3	4.9	6.5	3			3	253.7	1800	0.10	2.4	0.66
105J_1989_1070	0	0.4	191	0.81	3	6.8	10.0	4			3	308.5	2100	0.13	5.6	0.83
105J_1989_1071	0	0.4	190	0.68	3	5.1	7.5	3			4	335.7	1900	0.10	3.1	0.89
105J_1989_1072	0	0.4	568	0.68	5	10.4	13.0	4			5	665.2	1900	0.13	2.6	0.90
105J_1989_1073	0	0.3	187	0.44	4	5.9	7.8	3			3	342.5	1400	0.10	2.8	0.80
105J_1989_1074	0	0.2	240	0.69	5	8.4	10.0	23	6	26.60	5	513.5	2300	0.12	8.7	1.07

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1037	0	0.7	0.71	58	6	5.8	7	10.9	63	4.1	29	26.74	<1	608	0.99	0.84	1.2
105J_1989_1039	0	1.0	1.12	52	6	5.1	8	9.4	60	3.7	23	20.32	<1	515	2.00	1.69	2.4
105J_1989_1040	0	2.5	2.46	42	5	5.0	6	11.3	48	2.8	31	30.67	<1	464	1.32	1.27	1.5
105J_1989_1042	0	0.9	1.12	55	6	5.7	8	9.3	68	5.3	30	28.12	1	695	1.67	1.47	2.2
105J_1989_1044	1	1.8	2.18	42	7	7.9	7	11.4	55	3.6	35	32.46	<1	560	2.51	2.26	2.5
105J_1989_1045	2	1.8	1.84	47	5	5.9	6	11.9	56	3.7	33	30.36	<1	560	1.63	1.44	1.9
105J_1989_1046	0	0.8	0.80	60	6	5.9	5	20.2	49	3.6	22	23.41	<1	544	1.47	1.43	1.7
105J_1989_1047	0	0.5	0.62	39	5	4.4	5	7.6	42	3.6	15	13.23	<1	488	1.59	1.28	1.5
105J_1989_1048	0	0.7	0.61	45	2	4.3	6	9.6	49	3.6	14	12.38	<1	572	1.42	1.08	1.5
105J_1989_1049	0	0.7	0.73	56	4	4.5	<5	10.9	57	4.1	18	18.44	<1	578	1.05	0.92	1.3
105J_1989_1050	0	0.9	0.87	25	<2	2.1	<5	6.3	28	1.8	17	14.97	<1	278	0.63	0.65	0.9
105J_1989_1051	0	1.6	1.56	18	3	3.6	<5	6.8	<20	1.5	32	27.51	<1	153	0.89	1.02	1.2
105J_1989_1052	0	1.0	1.26	62	7	7.7	7	14.6	51	4.5	28	23.88	<1	450	2.29	1.81	2.3
105J_1989_1053	0	1.2	1.43	57	4	4.8	7	9.8	49	3.9	29	25.80	<1	447	1.30	1.14	1.8
105J_1989_1054	0	1.1	1.14	51	9	9.7	11	10.7	51	4.0	30	28.80	<1	458	1.82	1.49	1.9
105J_1989_1055	0	0.9	1.13	73	7	8.4	11	12.9	62	3.6	28	24.99	1	483	2.32	1.94	2.8
105J_1989_1056	0	2.9	2.85	24	7	8.5	9	8.7	26	3.0	39	32.33	<1	179	1.92	1.50	2.0
105J_1989_1057	0	1.2	1.14	62	9	11.6	12	13.6	62	8.5	33	29.80	1	466	1.64	1.27	1.9
105J_1989_1058	0	1.0	1.33	59	6	8.2	10	12.6	63	6.5	33	30.09	<1	518	2.22	2.18	2.8
105J_1989_1059	0	0.6	0.93	67	7	9.7	11	13.7	63	5.7	25	26.16	<1	490	2.04	1.94	2.5
105J_1989_1060	0	2.6	3.24	71	15	22.7	21	16.0	69	7.0	41	44.10	<1	456	3.24	3.10	3.4
105J_1989_1062	1	1.6	1.74	60	8	9.3	9	19.1	58	5.2	48	45.58	<1	645	2.84	2.75	3.5
105J_1989_1063	2	1.4	1.77	62	7	10.0	9	18.8	70	5.8	45	44.60	<1	624	2.88	2.98	3.4
105J_1989_1064	0	0.4	0.71	73	5	7.2	9	12.6	65	4.3	24	26.58	<1	610	1.29	1.15	1.6
105J_1989_1065	0	0.6	1.05	56	5	7.6	8	12.7	47	2.8	22	23.74	<1	455	2.25	1.97	2.5
105J_1989_1066	0	1.5	1.61	52	9	9.9	10	13.7	70	4.4	25	24.19	<1	521	2.56	2.26	2.6
105J_1989_1068	0	1.0	1.05	53	9	10.1	9	15.3	51	3.9	36	34.49	<1	530	2.18	2.13	2.3
105J_1989_1069	0	0.3	0.54	49	7	7.1	8	11.0	43	3.4	20	18.21	<1	540	1.71	1.47	1.7
105J_1989_1070	0	0.4	0.72	63	7	7.8	9	11.9	56	4.0	22	20.96	1	546	2.26	1.92	2.5
105J_1989_1071	0	0.9	1.00	58	5	5.7	8	10.4	58	3.5	24	22.41	1	517	1.53	1.26	1.9
105J_1989_1072	0	2.8	3.20	53	6	8.4	11	11.9	82	4.6	48	47.95	<1	648	2.01	1.84	2.4
105J_1989_1073	0	0.9	0.92	49	3	4.2	5	6.9	67	3.8	17	13.42	<1	474	1.24	1.15	1.7
105J_1989_1074	0	1.5	1.68	61	6	10.0	12	11.1	62	3.3	20	16.04	<1	544	2.37	2.04	2.5

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1037	0	1.6	6	131	130	0.08	10.3	27	9.3	<0.2	0.26	94	95	<2	0.60	<1
105J_1989_1039	0	1.6	4	144	139	0.08	8.1	25	22.9	<0.2	0.27	972	834	<2	0.67	<1
105J_1989_1040	0	1.6	3	176	166	0.07	6.6	20	38.7	<0.2	0.26	194	179	2	1.43	1
105J_1989_1042	0	1.4	7	224	199	0.09	9.8	27	15.0	<0.2	0.25	311	300	4	3.30	3
105J_1989_1044	1	1.8	4	226	218	0.09	8.7	23	22.7	<0.2	0.32	1291	1188	2	1.98	2
105J_1989_1045	2	1.8	4	238	180	0.10	8.6	22	22.5	<0.2	0.29	326	307	<2	1.55	2
105J_1989_1046	0	1.7	7	123	117	0.08	10.0	27	7.3	<0.2	0.28	335	365	2	2.55	2
105J_1989_1047	0	1.3	5	113	100	0.07	6.8	19	13.8	<0.2	0.21	425	382	<2	0.81	<1
105J_1989_1048	0	1.9	5	78	74	0.08	9.5	22	13.9	<0.2	0.28	177	154	<2	0.27	<1
105J_1989_1049	0	1.9	5	84	86	0.06	11.1	27	11.7	<0.2	0.28	73	74	<2	0.49	<1
105J_1989_1050	0	0.9	2	90	89	0.03	4.3	11	55.8	<0.2	0.18	81	81	<2	0.46	<1
105J_1989_1051	0	0.9	2	90	102	0.03	3.4	9	69.1	<0.2	0.28	1300	1316	2	1.40	<1
105J_1989_1052	0	2.6	3	143	138	0.12	9.9	28	19.4	<0.2	0.37	322	300	<2	0.84	<1
105J_1989_1053	0	1.8	5	139	128	0.08	8.9	24	27.1	<0.2	0.28	436	370	<2	0.83	<1
105J_1989_1054	0	2.0	5	162	163	0.08	9.1	24	20.3	<0.2	0.31	510	456	4	3.01	3
105J_1989_1055	0	2.3	5	137	118	0.08	10.3	32	13.7	<0.2	0.38	725	698	<2	1.24	<1
105J_1989_1056	0	1.5	1	166	143	0.03	4.1	12	57.5	<0.2	0.19	541	452	<2	0.96	<1
105J_1989_1057	0	2.6	3	111	108	0.09	13.6	27	18.9	<0.2	0.42	79	73	2	1.79	2
105J_1989_1058	0	2.2	5	152	146	0.11	16.3	30	8.9	<0.2	0.39	616	702	5	4.58	5
105J_1989_1059	0	2.7	5	92	87	0.11	17.2	31	7.4	<0.2	0.38	478	543	<2	1.63	2
105J_1989_1060	0	3.0	4	116	111	0.09	18.0	32	8.8	<0.2	0.41	1872	2291	2	3.11	3
105J_1989_1062	1	3.1	5	172	173	0.14	17.0	32	10.8	<0.2	0.67	731	823	<2	2.07	1
105J_1989_1063	2	3.2	5	168	171	0.15	17.1	34	9.7	<0.2	0.68	679	807	2	2.33	2
105J_1989_1064	0	2.3	5	100	94	0.09	10.6	31	9.4	<0.2	0.36	125	132	<2	0.53	<1
105J_1989_1065	0	2.3	4	148	154	0.08	8.2	27	15.7	<0.2	0.41	403	410	<2	0.91	<1
105J_1989_1066	0	2.5	4	176	179	0.14	10.0	27	14.5	<0.2	0.41	<5	1644	<2	1.50	1
105J_1989_1068	0	3.0	4	160	170	0.12	13.3	26	11.3	<0.2	0.47	731	834	<2	1.29	<1
105J_1989_1069	0	2.0	5	90	101	0.08	10.4	24	10.4	<0.2	0.33	235	247	<2	0.37	<1
105J_1989_1070	0	2.3	5	115	96	0.08	11.1	32	12.2	<0.2	0.37	568	547	<2	0.69	<1
105J_1989_1071	0	2.0	4	131	113	0.08	9.0	27	14.4	<0.2	0.28	420	363	<2	0.92	<1
105J_1989_1072	0	1.9	5	279	279	0.13	7.4	28	13.4	<0.2	0.22	411	420	4	4.35	5
105J_1989_1073	0	1.1	6	115	114	0.07	5.3	27	10.1	<0.2	0.19	238	243	<2	1.90	<1
105J_1989_1074	0	1.9	5	144	144	0.08	9.1	29	15.5	<0.2	0.28	1794	1678	<2	1.14	1

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1037	0	0.007	0.33	26	25.3	0.164	14	9.55	81	0.14	1.0	1.00	1.7	2.2	7.3	1.2
105J_1989_1039	0	0.007	0.46	21	18.1	0.141	12	7.34	75	0.22	0.4	0.71	1.3	2.1	7.0	4.4
105J_1989_1040	0	0.009	0.39	21	20.7	0.127	13	9.27	60	0.57	0.6	0.93	1.3	2.2	6.4	5.2
105J_1989_1042	0	0.006	0.36	28	26.1	0.148	11	10.30	93	0.14	1.3	1.51	2.6	2.4	8.5	3.2
105J_1989_1044	1	0.008	0.40	30	29.8	0.134	14	12.68	82	0.18	1.2	1.41	2.1	2.6	7.7	2.3
105J_1989_1045	2	0.009	0.37	28	26.0	0.133	16	12.17	85	0.20	1.1	1.28	2.0	2.5	6.9	2.1
105J_1989_1046	0	0.005	0.35	21	20.7	0.160	12	11.08	74	0.12	1.0	0.97	1.7	1.9	6.5	1.0
105J_1989_1047	0	0.006	0.32	15	13.7	0.107	8	6.35	85	0.17	0.6	0.54	1.1	1.7	5.2	1.6
105J_1989_1048	0	0.009	0.39	14	12.0	0.151	11	5.73	82	0.17	0.3	0.36	0.7	1.6	6.2	1.1
105J_1989_1049	0	0.005	0.39	13	14.3	0.135	9	7.97	87	0.13	0.3	0.48	1.0	1.9	7.6	1.9
105J_1989_1050	0	0.011	0.48	9	8.3	0.092	8	4.89	32	0.53	<0.2	0.44	0.5	1.1	3.3	1.3
105J_1989_1051	0	0.006	0.22	18	17.9	0.084	9	5.01	27	0.96	0.3	0.94	1.0	1.2	3.0	4.4
105J_1989_1052	0	0.013	0.42	21	19.7	0.117	15	10.34	95	0.34	0.6	0.76	1.3	2.6	8.9	1.7
105J_1989_1053	0	0.011	0.53	20	18.0	0.117	10	7.86	74	0.21	0.7	0.98	1.5	2.1	7.9	3.8
105J_1989_1054	0	0.009	0.44	22	21.6	0.109	13	9.90	80	0.22	0.8	0.86	1.5	2.5	8.2	1.4
105J_1989_1055	0	0.007	0.50	24	22.9	0.125	14	11.87	89	0.10	1.3	0.96	1.9	2.2	9.1	1.1
105J_1989_1056	0	0.009	0.41	28	24.6	0.104	10	5.69	42	0.70	0.6	1.01	1.3	1.4	5.2	3.1
105J_1989_1057	0	0.013	0.48	28	24.9	0.094	15	13.59	100	0.37	1.5	1.44	2.5	2.1	9.0	1.4
105J_1989_1058	0	0.006	0.37	33	33.2	0.138	13	11.96	110	0.12	2.9	2.48	5.0	2.2	8.6	1.8
105J_1989_1059	0	0.006	0.41	31	33.5	0.124	11	10.78	100	0.06	2.0	1.66	3.5	2.1	9.2	1.1
105J_1989_1060	0	0.006	0.44	62	73.1	0.126	17	16.20	110	0.05	3.9	3.21	6.5	2.7	10.0	2.0
105J_1989_1062	1	0.018	0.43	30	31.6	0.148	17	14.14	93	0.12	2.2	2.01	3.3	3.1	9.2	2.3
105J_1989_1063	2	0.017	0.41	27	33.7	0.164	14	14.50	98	0.12	2.4	2.14	3.2	3.4	10.0	2.2
105J_1989_1064	0	0.006	0.42	19	19.9	0.146	10	11.31	100	0.13	0.8	0.63	1.4	2.6	9.4	1.1
105J_1989_1065	0	0.013	0.61	20	19.7	0.124	15	13.03	80	0.12	0.6	0.72	1.2	2.9	8.4	1.5
105J_1989_1066	0	0.009	0.43	28	27.8	0.117	19	14.19	93	0.12	1.1	0.85	1.6	3.3	8.6	2.6
105J_1989_1068	0	0.011	0.49	29	28.8	0.126	15	12.50	92	0.11	1.4	1.18	2.0	3.1	8.3	1.6
105J_1989_1069	0	0.007	0.44	17	17.2	0.111	11	8.17	86	0.09	0.5	0.58	1.2	2.6	6.8	0.8
105J_1989_1070	0	0.008	0.53	19	19.3	0.109	11	9.94	96	0.08	0.5	0.65	1.6	2.7	8.9	1.1
105J_1989_1071	0	0.008	0.57	19	19.2	0.112	12	8.08	83	0.09	0.4	0.82	1.5	2.2	8.2	1.3
105J_1989_1072	0	0.007	0.31	38	40.9	0.154	16	15.69	93	0.10	2.4	2.41	4.5	3.4	8.9	4.2
105J_1989_1073	0	0.005	0.32	20	20.4	0.093	14	13.05	77	0.06	1.0	0.74	1.4	2.2	6.8	1.3
105J_1989_1074	0	0.006	0.48	21	20.6	0.148	12	9.95	77	0.10	1.0	1.00	1.7	2.4	8.0	1.6

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1037	0	5.1	1	49.7	0.8	0.9	0.04	2.9	8.4	0.004	0.15	1.6	4.7	4.3	29	30
105J_1989_1039	0	4.2	6	71.2	0.7	0.5	0.02	1.9	7.1	0.004	0.15	1.1	3.5	3.3	28	25
105J_1989_1040	0	3.2	7	82.8	0.7	<0.5	0.03	1.9	6.2	0.003	0.12	3.6	5.4	6.0	28	23
105J_1989_1042	0	5.2	5	53.7	1.0	0.8	0.07	1.9	8.4	0.003	0.19	1.1	4.4	4.1	26	24
105J_1989_1044	1	3.9	5	67.3	0.8	0.5	0.03	2.2	7.3	0.003	0.17	1.7	4.0	4.2	34	33
105J_1989_1045	2	3.8	5	61.1	0.9	0.7	0.03	2.3	7.1	0.003	0.16	1.9	4.2	4.7	31	32
105J_1989_1046	0	5.5	2	51.8	1.2	0.7	0.03	2.7	8.9	0.005	0.13	1.1	4.5	4.2	24	29
105J_1989_1047	0	3.8	4	40.6	1.0	0.6	0.02	2.0	7.3	0.003	0.10	1.1	3.8	3.9	21	22
105J_1989_1048	0	3.9	2	43.9	0.6	0.6	<0.02	2.4	7.2	0.004	0.10	1.2	3.7	3.9	22	22
105J_1989_1049	0	4.6	2	40.9	1.0	0.6	<0.02	3.3	8.4	0.004	0.14	1.7	4.6	4.3	24	28
105J_1989_1050	0	1.8	6	85.2	<0.5	<0.5	0.02	0.8	3.5	0.006	0.06	1.1	2.2	2.5	17	11
105J_1989_1051	0	1.3	11	133.2	<0.5	<0.5	0.02	0.8	2.7	0.005	0.07	4.3	4.5	5.2	18	12
105J_1989_1052	0	4.3	2	48.3	0.8	0.6	0.02	3.3	8.7	0.003	0.14	1.6	4.1	4.5	35	32
105J_1989_1053	0	4.0	5	72.8	0.8	0.7	0.03	1.9	7.5	0.005	0.13	2.1	4.6	4.8	24	22
105J_1989_1054	0	4.2	1	39.3	0.9	0.6	0.03	2.9	8.2	0.003	0.17	2.0	4.6	5.7	28	27
105J_1989_1055	0	5.4	1	55.4	1.0	0.8	0.03	2.6	10.0	0.004	0.10	1.7	4.9	4.8	37	34
105J_1989_1056	0	2.1	5	136.6	<0.5	<0.5	0.03	0.6	3.9	0.004	0.11	3.5	4.6	5.7	31	23
105J_1989_1057	0	4.5	2	89.8	0.9	0.5	0.02	3.3	9.2	0.003	0.16	1.6	4.4	4.9	31	31
105J_1989_1058	0	6.0	2	55.1	1.3	0.9	0.06	3.5	11.0	0.004	0.15	3.8	8.8	7.6	41	45
105J_1989_1059	0	5.5	<1	51.3	1.2	0.9	0.03	3.6	10.0	0.004	0.15	1.3	4.5	4.1	34	36
105J_1989_1060	0	5.9	1	60.8	1.3	1.0	0.04	3.8	11.0	0.004	0.21	3.2	6.8	6.7	37	41
105J_1989_1062	1	5.5	5	69.8	1.1	0.7	0.03	3.6	10.0	0.012	0.18	1.7	5.0	4.9	43	47
105J_1989_1063	2	5.8	5	70.5	1.3	0.8	0.05	4.0	10.0	0.010	0.18	1.7	5.1	4.8	41	47
105J_1989_1064	0	5.6	2	48.1	1.1	0.8	0.03	2.9	10.0	0.003	0.12	1.8	5.0	4.2	31	31
105J_1989_1065	0	4.6	4	63.1	0.9	0.6	0.03	2.3	8.7	0.003	0.08	1.0	3.2	3.4	26	25
105J_1989_1066	0	4.4	3	57.3	1.0	0.7	0.03	2.7	8.5	0.003	0.16	1.1	3.7	4.2	37	40
105J_1989_1068	0	4.6	3	65.2	0.8	0.6	0.03	3.6	8.6	0.005	0.14	1.1	3.6	3.6	34	41
105J_1989_1069	0	4.6	3	55.9	1.0	0.7	<0.02	2.9	8.7	0.004	0.09	0.9	3.4	3.3	23	28
105J_1989_1070	0	5.6	4	62.7	1.1	0.8	0.02	3.0	11.0	0.004	0.10	0.9	3.9	3.6	30	31
105J_1989_1071	0	4.4	2	51.3	0.9	0.6	0.02	2.3	8.5	0.003	0.11	1.6	4.7	4.2	28	32
105J_1989_1072	0	4.4	3	52.9	1.0	0.7	0.06	2.9	9.1	0.003	0.29	3.4	7.7	7.5	83	97
105J_1989_1073	0	4.3	3	37.4	0.9	0.6	0.03	2.0	8.5	0.001	0.15	1.0	4.2	3.9	29	30
105J_1989_1074	0	4.8	4	60.3	0.8	0.5	0.04	2.3	8.1	0.004	0.12	1.3	4.0	3.9	35	33

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1037	0	<0.1	<1	39.52	<2	112	112.8
105J_1989_1039	0	<0.1	<1	29.48	<2	114	107.8
105J_1989_1040	0	<0.1	<1	16.88	<2	137	135.5
105J_1989_1042	0	<0.1	1	33.67	2	121	119.8
105J_1989_1044	1	<0.1	<1	12.80	<2	190	187.3
105J_1989_1045	2	<0.1	<1	15.62	<2	173	171.8
105J_1989_1046	0	0.1	2	41.65	2	110	112.5
105J_1989_1047	0	0.3	<1	14.57	<2	107	101.8
105J_1989_1048	0	0.3	<1	12.52	<2	91	91.8
105J_1989_1049	0	0.1	1	36.24	<2	79	83.5
105J_1989_1050	0	<0.1	<1	14.11	<2	65	65.2
105J_1989_1051	0	<0.1	<1	15.40	<2	127	118.5
105J_1989_1052	0	<0.1	<1	16.41	<2	169	149.5
105J_1989_1053	0	<0.1	2	27.16	<2	105	96.1
105J_1989_1054	0	<0.1	<1	11.64	2	123	117.9
105J_1989_1055	0	<0.1	<1	32.71	<2	168	153.6
105J_1989_1056	0	<0.1	<1	16.31	<2	193	177.4
105J_1989_1057	0	<0.1	2	24.85	<2	169	153.4
105J_1989_1058	0	<0.1	<1	36.48	2	196	186.7
105J_1989_1059	0	<0.1	1	40.81	<2	151	159.5
105J_1989_1060	0	<0.1	1	23.04	2	367	431.8
105J_1989_1062	1	0.1	<1	16.36	2	194	190.1
105J_1989_1063	2	<0.1	1	25.55	<2	181	192.5
105J_1989_1064	0	<0.1	<1	34.85	2	118	123.8
105J_1989_1065	0	<0.1	<1	28.41	<2	148	157.0
105J_1989_1066	0	<0.1	1	19.99	<2	222	213.2
105J_1989_1068	0	<0.1	<1	25.50	<2	124	166.5
105J_1989_1069	0	<0.1	<1	37.88	<2	95	92.1
105J_1989_1070	0	0.3	<1	33.73	<2	119	113.8
105J_1989_1071	0	<0.1	1	34.29	<2	113	108.1
105J_1989_1072	0	<0.1	1	26.47	2	277	274.4
105J_1989_1073	0	<0.1	<1	35.76	<2	116	119.1
105J_1989_1074	0	0.2	1	33.23	<2	156	149.8

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1075	0	<0.2	124	0.54	1	1.7	2.7	3			4	341.7	1600	0.06	3.8	0.72
105J_1989_1076	0	0.6	266	0.55	6	9.1	12.0	4			4	659.3	2300	0.12	7.4	1.16
105J_1989_1077	0	0.4	429	0.92	6	10.9	13.0	6			6	787.7	2300	0.17	13.0	1.42
105J_1989_1078	0	0.3	261	0.47	4	5.2	7.9	<2			3	511.2	1800	0.10	4.1	1.53
105J_1989_1079	0	0.2	109	0.90	7	11.1	13.0	4			4	378.4	1700	0.19	1.9	0.61
105J_1989_1080	0	<0.2	276	0.83	5	9.2	11.0	6			3	432.4	1600	0.19	7.7	1.23
105J_1989_1082	1	0.7	471	0.63	11	20.1	22.0	4			7	468.3	1000	0.12	19.0	2.17
105J_1989_1083	2	0.9	492	0.77	9	14.7	17.0	<2			9	442.0	1100	0.14	19.0	1.97
105J_1989_1084	0	0.3	178	0.65	12	24.5	28.0	3			3	389.0	1600	0.18	4.0	1.07
105J_1989_1085	0	<0.2	46	0.29	2	1.1	2.8	<2			7	185.3	880	0.03	9.2	1.60
105J_1989_1086	0	0.3	151	1.05	8	13.8	18.0	10			3	309.6	1800	0.14	2.0	0.35
105J_1989_1087	0	0.9	554	0.76	7	11.0	13.0	5			5	823.7	2700	0.16	3.9	0.75
105J_1989_1089	0	0.3	220	0.78	4	4.4	6.4	6			5	589.6	2900	0.15	2.2	0.41
105J_1989_1090	0	0.4	262	0.77	5	8.1	11.0	8			6	579.2	2300	0.22	3.9	0.94
105J_1989_1091	0	0.6	156	0.65	2	2.8	4.1	<2			5	1665.2	4500	0.09	7.8	0.92
105J_1989_1092	0	<0.2	159	0.67	3	4.9	6.6	6			3	292.4	1600	0.10	8.1	0.77
105J_1989_1093	0	0.3	249	0.66	3	5.1	7.1	4			5	365.9	1800	0.10	8.8	1.21
105J_1989_1094	0	0.5	348	0.94	1	1.7	3.4	4			6	351.7	1600	0.08	8.8	1.33
105J_1989_1095	0	1.7	1046	0.71	8	11.0	15.0	10			4	978.9	3600	0.13	6.4	0.74
105J_1989_1096	0	<0.2	139	0.63	2	2.5	4.3	4			3	183.6	1200	0.11	6.5	1.17
105J_1989_1097	0	0.5	303	0.68	5	7.6	10.0	6			3	222.7	2000	0.33	1.7	0.63
105J_1989_1098	0	0.3	414	0.88	3	7.9	10.0	6			3	814.2	3100	0.22	2.1	0.45
105J_1989_1099	0	1.5	1554	0.90	16	20.3	27.0	7			6	1896.1	13300	0.22	2.2	0.78
105J_1989_1100	0	1.0	1003	0.77	14	17.3	22.0	12			5	987.8	5030	0.28	3.0	0.60
105J_1989_1102	1	1.9	1219	0.59	13	14.5	19.0	11			5	1007.7	4100	0.20	1.5	0.53
105J_1989_1103	2	1.9	1243	0.61	12	15.4	20.0	10			6	832.0	3900	0.21	1.3	0.56
105J_1989_1104	0	1.4	1053	0.86	8	12.8	19.0	11			6	792.6	3100	0.19	5.7	1.06
105J_1989_1105	0	0.9	566	0.88	13	18.6	24.0	13			5	1217.1	4900	0.26	1.7	0.46
105J_1989_1106	0	0.5	338	0.63	3	3.1	5.8	5			7	419.4	1900	0.11	7.5	0.58
105J_1989_1107	0	1.0	771	0.88	6	10.8	15.0	7			4	952.5	3600	0.16	4.9	0.39
105J_1989_1108	0	0.7	514	1.05	50	55.0	59.6	7			4	1007.8	2400	0.13	18.0	0.77
105J_1989_1109	0	1.2	1202	1.23	19	26.6	43.0	9			3	678.9	3400	0.19	7.6	0.82
105J_1989_1110	0	0.9	1063	0.69	14	16.6	21.0	9			4	1633.2	10700	0.19	4.5	0.43

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1075	0	0.4	0.53	49	2	2.4	<5	8.0	43	2.9	11	8.27	<1	562	0.92	0.72	1.2
105J_1989_1076	0	3.1	3.42	64	4	5.7	6	9.1	66	6.0	22	16.82	<1	413	1.67	1.63	2.3
105J_1989_1077	0	2.0	2.03	46	9	10.6	11	15.6	61	4.4	33	25.02	<1	472	2.80	2.65	3.0
105J_1989_1078	0	1.2	1.55	48	4	4.8	6	8.3	52	2.7	30	22.66	<1	474	1.05	1.04	1.6
105J_1989_1079	0	0.5	0.66	92	8	8.3	9	14.3	64	4.0	20	15.76	1	436	1.99	1.92	2.5
105J_1989_1080	0	1.2	1.28	37	3	3.9	<5	13.2	42	3.1	37	28.88	<1	347	1.82	1.49	1.9
105J_1989_1082	1	2.5	2.88	29	3	3.3	<5	7.4	23	2.5	34	26.11	<1	212	1.16	1.15	1.6
105J_1989_1083	2	2.4	2.40	38	2	3.4	<5	8.9	26	2.7	34	26.84	<1	214	1.18	1.09	1.6
105J_1989_1084	0	0.8	1.09	54	4	3.8	6	10.4	44	4.1	18	14.90	<1	418	1.48	1.21	1.6
105J_1989_1085	0	0.8	0.82	26	<2	1.8	7	2.5	<20	1.0	22	17.10	<1	271	0.46	0.49	1.7
105J_1989_1086	0	0.4	0.61	81	6	8.8	10	11.7	57	6.5	19	14.71	<1	371	2.80	2.58	3.6
105J_1989_1087	0	1.1	1.36	58	6	8.0	9	14.4	83	6.0	33	28.27	<1	418	2.35	2.22	2.6
105J_1989_1089	0	0.9	1.06	55	3	4.0	5	13.1	65	3.9	32	28.23	<1	474	1.39	1.19	1.9
105J_1989_1090	0	1.4	1.66	49	5	6.4	9	11.1	46	3.0	28	22.59	<1	434	1.64	1.42	2.0
105J_1989_1091	0	0.7	0.70	48	3	3.3	<5	8.9	44	3.3	22	17.42	<1	357	1.45	1.11	1.8
105J_1989_1092	0	0.6	1.04	35	5	5.1	8	8.9	40	2.9	27	20.29	<1	323	2.46	1.97	2.4
105J_1989_1093	0	1.3	1.73	33	7	6.4	6	10.3	34	2.7	31	24.77	<1	374	1.71	1.42	1.9
105J_1989_1094	0	2.0	2.08	36	5	5.9	7	14.0	39	14.0	47	36.70	1	363	1.66	1.37	1.8
105J_1989_1095	0	4.7	4.52	54	15	14.9	16	12.9	50	3.5	55	41.94	<1	622	3.64	3.18	3.8
105J_1989_1096	0	0.8	0.70	68	7	6.4	9	7.9	42	3.1	21	15.59	<1	359	1.44	1.22	1.8
105J_1989_1097	0	1.2	1.39	74	6	8.4	9	13.7	72	3.8	39	34.15	<1	515	2.16	2.01	2.6
105J_1989_1098	0	1.3	1.55	69	7	10.8	12	16.3	70	3.4	45	36.37	1	567	2.45	2.04	2.5
105J_1989_1099	0	10.2	12.15	46	3	5.8	6	33.1	94	4.4	82	72.33	1	744	2.12	2.11	2.6
105J_1989_1100	0	9.1	9.39	58	7	8.3	10	21.3	100	4.8	74	61.03	<1	626	2.18	2.11	2.7
105J_1989_1102	1	9.0	9.08	56	3	3.9	<5	26.1	110	4.7	80	70.86	1	570	1.27	1.22	1.7
105J_1989_1103	2	7.9	9.56	45	4	4.3	<5	27.3	110	4.2	75	71.79	<1	579	1.21	1.27	1.4
105J_1989_1104	0	8.9	9.96	37	8	8.3	8	18.8	69	4.9	68	59.00	<1	502	2.30	2.06	2.4
105J_1989_1105	0	2.5	2.52	59	11	13.3	16	15.3	85	5.1	64	56.70	<1	611	2.92	2.73	3.2
105J_1989_1106	0	1.8	1.96	32	<2	1.4	<5	8.4	35	3.0	41	35.35	<1	249	0.74	0.53	1.1
105J_1989_1107	0	1.7	1.70	43	10	10.0	14	14.2	72	4.9	42	33.39	<1	341	2.15	1.83	2.6
105J_1989_1108	0	6.6	7.37	35	13	16.8	17	12.8	39	3.6	42	35.07	<1	269	7.34	6.99	8.0
105J_1989_1109	0	3.6	4.01	31	6	5.7	5	17.4	78	5.3	79	78.29	1	332	3.70	3.28	3.6
105J_1989_1110	0	4.9	5.43	60	6	9.2	10	14.8	96	5.7	63	63.25	1	537	2.40	2.33	2.9

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1075	0	1.5	6	86	84	0.07	8.4	24	11.4	<0.2	0.19	139	121	<2	0.31	<1
105J_1989_1076	0	1.4	8	176	163	0.10	8.3	31	12.1	<0.2	0.31	837	837	<2	1.68	<1
105J_1989_1077	0	2.6	3	201	174	0.13	9.2	22	24.9	<0.2	0.36	6682	4665	2	1.84	1
105J_1989_1078	0	1.2	6	140	115	0.07	6.3	23	16.9	<0.2	0.28	348	304	2	1.93	2
105J_1989_1079	0	2.7	7	74	60	0.15	13.7	42	6.0	<0.2	0.33	530	613	<2	0.85	<1
105J_1989_1080	0	2.3	4	172	148	0.08	9.2	20	27.2	<0.2	0.22	579	511	<2	0.77	<1
105J_1989_1082	1	1.5	2	185	151	0.06	11.2	18	51.7	<0.2	0.23	670	590	<2	0.85	<1
105J_1989_1083	2	1.8	3	185	162	0.06	11.8	20	46.2	<0.2	0.25	320	280	<2	0.80	<1
105J_1989_1084	0	2.0	4	94	89	0.07	10.2	24	19.2	<0.2	0.26	142	132	<2	0.67	<1
105J_1989_1085	0	0.9	2	57	43	0.03	2.5	13	27.6	<0.2	0.12	69	63	<2	0.32	1
105J_1989_1086	0	3.3	11	78	85	0.08	18.1	38	5.5	<0.2	0.36	294	370	<2	1.22	<1
105J_1989_1087	0	2.2	5	228	298	0.14	8.4	27	11.0	<0.2	0.28	527	612	<2	2.56	2
105J_1989_1089	0	2.3	4	116	139	0.10	9.4	25	8.3	<0.2	0.28	92	98	<2	1.60	1
105J_1989_1090	0	1.9	4	228	287	0.08	8.4	23	20.1	<0.2	0.28	202	188	<2	0.51	<1
105J_1989_1091	0	1.9	4	85	96	0.08	7.1	22	18.5	<0.2	0.27	146	134	<2	0.21	<1
105J_1989_1092	0	1.7	3	160	217	0.08	5.3	18	25.4	<0.2	0.22	685	612	<2	0.62	<1
105J_1989_1093	0	1.7	3	122	137	0.07	6.5	17	30.0	<0.2	0.30	660	586	<2	0.97	<1
105J_1989_1094	0	2.1	2	226	271	0.08	9.6	19	29.9	<0.2	0.32	133	119	<2	0.34	<1
105J_1989_1095	0	2.0	4	371	388	0.11	11.5	26	13.5	<0.2	0.30	1794	1463	2	3.06	3
105J_1989_1096	0	1.6	5	61	60	0.05	6.7	33	19.0	<0.2	0.23	230	272	<2	0.17	<1
105J_1989_1097	0	2.0	7	104	104	0.08	17.0	36	7.8	<0.2	0.26	287	308	<2	1.70	<1
105J_1989_1098	0	2.6	5	139	152	0.08	13.6	31	12.4	<0.2	0.33	283	282	<2	1.28	<1
105J_1989_1099	0	3.1	3	311	399	0.14	12.2	26	8.3	<0.2	0.17	114	141	13	15.67	18
105J_1989_1100	0	2.4	4	279	329	0.10	11.1	29	8.7	<0.2	0.23	610	715	7	8.66	10
105J_1989_1102	1	2.3	3	394	487	0.11	10.8	27	6.0	<0.2	0.14	283	325	5	6.54	8
105J_1989_1103	2	2.3	3	405	489	0.11	10.5	23	6.8	<0.2	0.14	304	360	6	6.82	7
105J_1989_1104	0	2.6	3	316	370	0.11	7.6	21	20.6	<0.2	0.25	1768	1576	13	14.68	17
105J_1989_1105	0	2.5	5	224	284	0.16	10.5	27	5.9	<0.2	0.41	1089	1207	5	4.21	5
105J_1989_1106	0	1.8	3	173	158	0.05	5.3	17	38.0	<0.2	0.17	77	64	<2	1.86	2
105J_1989_1107	0	2.4	3	224	262	0.10	7.6	23	22.5	<0.2	0.22	709	627	3	3.13	3
105J_1989_1108	0	2.8	3	316	371	0.06	6.1	17	30.0	<0.2	0.27	14300	>10000	19	20.44	20
105J_1989_1109	0	2.8	2	449	495	0.09	7.3	18	34.4	<0.2	0.15	126	91	31	32.14	31
105J_1989_1110	0	1.8	6	286	340	0.10	6.2	30	8.2	<0.2	0.16	384	405	9	9.77	11

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1075	0	0.008	0.48	8	9.0	0.141	8	5.75	71	0.10	0.2	0.28	0.7	1.6	6.3	1.1
105J_1989_1076	0	0.008	0.42	23	24.8	0.121	17	14.22	87	0.13	0.9	0.97	1.8	2.5	8.1	1.6
105J_1989_1077	0	0.010	0.42	31	29.5	0.143	13	11.06	91	0.14	1.5	1.36	2.1	2.6	7.8	2.4
105J_1989_1078	0	0.010	0.59	27	26.7	0.126	11	9.25	63	0.09	1.0	1.33	2.1	1.9	6.3	1.7
105J_1989_1079	0	0.010	0.73	17	20.1	0.134	10	9.28	94	0.06	0.5	0.68	1.2	2.4	8.7	0.6
105J_1989_1080	0	0.014	0.60	21	21.0	0.108	13	10.07	67	0.14	0.6	0.91	1.5	2.4	6.8	1.7
105J_1989_1082	1	0.012	0.65	15	15.1	0.118	8	5.74	40	0.23	0.3	0.86	1.1	1.0	4.9	4.6
105J_1989_1083	2	0.015	0.72	14	14.2	0.122	9	6.55	52	0.23	0.3	0.75	1.0	1.1	6.0	4.3
105J_1989_1084	0	0.010	0.65	12	11.7	0.115	10	8.95	75	0.24	0.3	0.67	1.1	2.0	7.2	1.4
105J_1989_1085	0	0.057	1.90	11	9.5	0.057	5	1.21	32	0.17	0.2	0.65	1.0	0.6	4.5	1.2
105J_1989_1086	0	0.016	0.86	16	17.7	0.089	8	10.69	100	0.02	0.7	0.95	2.1	3.2	12.0	0.8
105J_1989_1087	0	0.010	0.42	33	35.2	0.138	11	12.08	88	0.14	1.0	1.19	2.0	3.2	9.5	3.2
105J_1989_1089	0	0.008	0.45	19	20.7	0.128	8	8.81	86	0.07	1.0	0.96	1.8	2.1	8.6	1.9
105J_1989_1090	0	0.013	0.55	21	21.7	0.103	9	8.12	77	0.17	0.4	0.77	1.4	2.5	8.4	2.3
105J_1989_1091	0	0.016	0.64	12	12.3	0.093	7	7.08	80	0.25	0.3	0.41	0.7	1.5	7.5	1.5
105J_1989_1092	0	0.018	0.60	18	18.3	0.078	7	6.16	75	0.24	0.3	0.42	0.8	2.1	7.0	1.7
105J_1989_1093	0	0.017	0.56	25	24.0	0.096	7	6.02	72	0.65	0.3	0.92	1.4	1.9	5.5	2.5
105J_1989_1094	0	0.017	0.61	27	25.3	0.118	5	5.19	52	0.34	0.3	0.81	1.3	4.9	10.0	3.0
105J_1989_1095	0	0.010	0.48	42	38.3	0.189	10	8.77	74	0.06	1.2	1.63	2.6	2.6	8.4	2.1
105J_1989_1096	0	0.013	0.86	16	16.2	0.083	11	11.76	86	0.30	0.2	0.44	0.8	1.2	7.1	1.1
105J_1989_1097	0	0.005	0.51	36	39.6	0.104	16	20.77	110	0.01	1.2	1.39	2.2	2.6	9.4	0.9
105J_1989_1098	0	0.010	0.49	28	28.8	0.127	11	13.91	98	0.13	1.3	1.46	2.5	2.6	8.6	1.7
105J_1989_1099	0	0.006	0.35	117	118.1	0.331	12	13.50	87	0.10	8.0	9.29	12.7	2.4	8.8	13.0
105J_1989_1100	0	0.006	0.36	111	108.8	0.220	14	12.44	99	0.03	3.5	4.62	6.8	2.5	9.1	4.3
105J_1989_1102	1	0.004	0.19	68	66.3	0.197	12	11.88	93	0.05	3.0	3.97	6.5	2.4	6.8	5.5
105J_1989_1103	2	0.004	0.19	62	72.7	0.201	8	12.41	82	0.04	3.4	4.14	6.6	2.4	6.6	5.6
105J_1989_1104	0	0.009	0.37	182	182.7	0.148	7	10.38	95	0.15	2.0	3.22	5.5	2.7	7.8	9.2
105J_1989_1105	0	0.007	0.24	51	49.5	0.120	10	14.33	97	0.09	2.4	2.20	3.9	3.0	10.0	3.0
105J_1989_1106	0	0.020	0.84	21	23.1	0.079	4	5.83	57	0.29	0.6	1.40	1.9	0.7	6.4	2.8
105J_1989_1107	0	0.014	0.78	24	28.6	0.099	6	8.89	90	0.09	1.1	1.51	2.7	2.5	10.0	3.0
105J_1989_1108	0	0.011	0.53	127	133.4	0.266	5	7.29	57	0.16	1.4	1.89	2.5	1.8	8.0	6.2
105J_1989_1109	0	0.012	0.46	71	81.3	0.304	10	12.55	75	0.65	3.1	3.99	5.9	2.4	10.0	65.3
105J_1989_1110	0	0.005	0.37	72	78.5	0.179	11	15.03	100	0.19	4.0	4.67	7.5	2.6	11.0	5.3

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1075	0	4.1	3	42.2	0.9	0.6	<0.02	2.0	6.8	0.004	0.10	1.5	3.9	3.8	23	23
105J_1989_1076	0	5.0	4	54.9	1.1	0.7	0.03	2.2	9.3	0.003	0.20	1.0	4.2	3.9	26	28
105J_1989_1077	0	3.5	6	81.4	0.7	<0.5	0.04	1.9	6.9	0.004	0.16	1.8	3.9	4.5	54	56
105J_1989_1078	0	3.8	5	67.9	0.6	0.6	0.02	1.1	7.1	0.004	0.14	1.9	4.7	4.4	30	36
105J_1989_1079	0	7.7	3	41.4	1.2	1.0	<0.02	3.9	13.0	0.030	0.17	1.3	4.0	3.7	29	31
105J_1989_1080	0	3.6	5	64.0	0.9	0.5	<0.02	1.5	7.0	0.006	0.13	2.9	4.9	5.4	32	32
105J_1989_1082	1	3.3	6	99.7	<0.5	<0.5	0.02	0.4	4.8	0.015	0.15	6.0	7.3	8.2	17	14
105J_1989_1083	2	3.7	7	94.6	<0.5	0.6	0.03	0.6	5.8	0.016	0.15	6.1	7.2	7.8	21	17
105J_1989_1084	0	4.0	4	68.1	0.8	0.6	<0.02	2.9	7.7	0.010	0.11	4.7	6.8	6.7	25	24
105J_1989_1085	0	2.1	5	66.1	<0.5	<0.5	<0.02	0.2	3.6	0.017	0.04	1.4	2.9	3.3	11	13
105J_1989_1086	0	6.8	2	32.7	1.2	0.9	0.02	4.9	12.0	0.019	0.12	1.4	4.9	4.3	40	37
105J_1989_1087	0	4.8	4	73.9	0.9	0.8	0.07	3.0	8.3	0.003	0.25	1.7	4.6	4.9	41	45
105J_1989_1089	0	4.4	3	48.0	0.8	0.7	0.02	2.5	7.6	0.003	0.15	1.8	4.2	4.3	36	41
105J_1989_1090	0	3.9	3	74.9	0.8	0.6	0.02	2.5	7.1	0.003	0.13	2.5	4.8	4.8	34	33
105J_1989_1091	0	3.6	3	81.2	0.7	<0.5	0.02	1.7	6.5	0.005	0.09	1.4	3.4	3.5	24	20
105J_1989_1092	0	3.1	2	52.8	0.7	<0.5	0.02	1.6	5.8	0.003	0.11	2.7	4.4	5.0	30	24
105J_1989_1093	0	3.0	5	87.1	0.6	0.6	0.02	1.6	5.9	0.005	0.11	5.0	7.4	7.4	36	31
105J_1989_1094	0	3.8	5	82.3	0.5	0.6	<0.02	1.5	5.6	0.005	0.12	1.3	2.9	3.4	34	31
105J_1989_1095	0	5.2	4	73.7	0.9	0.9	0.03	2.2	7.1	0.006	0.24	2.3	5.1	4.9	51	58
105J_1989_1096	0	5.2	4	104.3	0.9	0.7	0.02	2.9	10.0	0.003	0.07	2.0	4.6	4.5	14	14
105J_1989_1097	0	6.2	3	60.4	1.0	0.9	0.03	4.6	12.0	0.004	0.14	1.6	5.0	4.9	39	47
105J_1989_1098	0	5.3	2	71.6	1.1	0.9	0.03	4.2	10.0	0.003	0.15	2.3	5.3	5.3	46	55
105J_1989_1099	0	5.2	4	135.7	0.8	0.8	0.13	1.2	6.7	0.008	0.72	7.1	11.0	10.1	206	268
105J_1989_1100	0	5.6	3	88.0	0.7	0.8	0.10	1.7	8.2	0.007	0.35	4.6	8.4	7.6	116	128
105J_1989_1102	1	5.1	2	99.6	0.6	0.8	0.08	1.7	5.9	0.006	0.31	6.0	10.0	9.9	125	162
105J_1989_1103	2	5.2	3	101.5	0.7	0.8	0.07	1.7	5.7	0.005	0.34	5.9	10.0	10.1	119	168
105J_1989_1104	0	4.3	4	64.3	0.6	0.8	0.05	2.0	7.7	0.006	0.26	15.7	22.0	19.5	102	101
105J_1989_1105	0	5.6	3	65.0	1.0	0.7	0.07	3.5	8.7	0.009	0.19	2.0	5.6	5.2	51	55
105J_1989_1106	0	2.7	2	47.8	<0.5	<0.5	0.02	0.2	5.2	0.007	0.13	1.7	3.3	3.6	22	16
105J_1989_1107	0	4.0	2	46.8	0.7	0.6	0.04	1.4	7.4	0.006	0.20	2.1	4.9	4.9	39	38
105J_1989_1108	0	3.8	3	75.1	<0.5	0.7	0.07	0.8	5.6	0.007	0.22	3.0	4.5	5.0	54	54
105J_1989_1109	0	3.7	4	61.2	0.5	0.6	0.08	0.6	5.8	0.004	0.35	2.9	4.9	5.6	92	86
105J_1989_1110	0	6.1	3	96.0	0.9	1.0	0.10	1.2	9.0	0.004	0.40	4.8	9.4	8.5	92	96

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1075	0	0.7	<1	25.14	<2	73	70.0
105J_1989_1076	0	<0.1	<1	30.78	2	200	211.6
105J_1989_1077	0	<0.1	<1	21.84	<2	282	268.4
105J_1989_1078	0	<0.1	<1	30.08	<2	153	144.8
105J_1989_1079	0	0.7	2	39.02	2	93	96.8
105J_1989_1080	0	<0.1	1	24.32	<2	115	102.0
105J_1989_1082	1	0.1	<1	16.80	<2	98	87.0
105J_1989_1083	2	0.2	<1	15.01	<2	105	96.7
105J_1989_1084	0	0.3	<1	15.51	<2	94	88.9
105J_1989_1085	0	<0.1	<1	18.98	<2	22	19.4
105J_1989_1086	0	0.6	2	34.44	3	107	104.4
105J_1989_1087	0	<0.1	2	20.84	<2	170	175.7
105J_1989_1089	0	<0.1	1	38.99	<2	104	113.3
105J_1989_1090	0	<0.1	<1	26.91	2	151	138.9
105J_1989_1091	0	<0.1	<1	25.62	<2	72	69.1
105J_1989_1092	0	0.3	<1	22.22	<2	127	116.9
105J_1989_1093	0	<0.1	<1	21.21	<2	173	154.4
105J_1989_1094	0	<0.1	<1	18.85	<2	181	169.9
105J_1989_1095	0	<0.1	<1	27.95	3	201	186.3
105J_1989_1096	0	<0.1	1	27.93	<2	73	67.8
105J_1989_1097	0	0.2	2	40.38	3	173	169.9
105J_1989_1098	0	<0.1	<1	28.57	3	175	175.9
105J_1989_1099	0	0.3	<1	38.91	2	1025	1081.1
105J_1989_1100	0	0.4	2	38.92	3	1010	1007.1
105J_1989_1102	1	0.3	1	21.86	2	570	557.7
105J_1989_1103	2	0.6	<1	39.60	2	513	600.7
105J_1989_1104	0	0.1	1	25.54	<2	1515	1582.1
105J_1989_1105	0	0.2	2	33.00	3	246	249.8
105J_1989_1106	0	<0.1	<1	18.18	<2	113	113.0
105J_1989_1107	0	0.3	1	27.10	2	114	112.8
105J_1989_1108	0	0.1	<1	24.26	<2	1025	963.5
105J_1989_1109	0	0.2	<1	20.12	<2	253	243.6
105J_1989_1110	0	0.2	<1	36.76	3	547	561.2

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1111	0	0.8	908	0.82	13	17.0	24.0	8			3	2082.3	10800	0.19	1.2	0.21
105J_1989_1112	0	0.9	1017	0.20	5	9.2	12.0	10			1	119.5	1100	0.09	10.0	<0.01
105J_1989_1113	0	1.3	941	0.93	19	29.1	34.0	6			3	1694.0	10600	0.19	2.2	0.37
105J_1989_1114	0	0.8	738	1.07	9	11.2	15.0	11			1	472.3	3900	0.21	3.9	0.15
105J_1989_1115	0	0.8	591	0.70	14	18.8	26.0	7			3	1201.1	6830	0.24	0.9	0.27
105J_1989_1117	0	0.7	500	0.59	10	14.1	19.0	9			1	1445.6	8170	0.16	1.4	0.27
105J_1989_1118	0	0.7	607	0.74	12	15.0	19.0	10			2	1491.3	6190	0.27	1.9	0.30
105J_1989_1119	0	0.8	837	0.71	10	14.3	18.0	13			3	666.8	3300	0.20	2.8	0.32
105J_1989_1120	0	1.2	968	0.91	11	14.9	21.0	11			2	724.6	4500	0.21	5.7	0.26
105J_1989_1122	0	0.6	563	0.49	10	13.9	19.0	9			1	345.7	2900	0.23	5.3	0.23
105J_1989_1123	1	0.9	1118	1.16	11	19.2	24.0	13	15	11.00	3	1224.3	3500	0.13	9.1	0.28
105J_1989_1124	2	1.2	1138	1.20	12	23.1	25.0	15	17	12.93	3	1219.4	3500	0.13	7.6	0.24
105J_1989_1125	0	1.3	1016	0.36	12	14.5	18.0	9			2	865.7	5430	0.15	3.9	0.22
105J_1989_1126	0	1.4	1432	0.75	19	27.0	31.0	11			4	1044.2	6060	0.16	18.0	0.53
105J_1989_1127	0	1.7	2110	1.68	15	21.3	25.0	16	15	19.94	3	1149.8	8920	0.31	7.7	0.23
105J_1989_1128	0	4.6	3533	0.88	20	24.7	37.0	9			2	471.2	1900	0.10	5.7	0.59
105J_1989_1129	0	0.9	872	1.45	80	88.6	110.0	17	18	21.02	3	337.2	1700	1.61	11.0	0.87
105J_1989_1131	0	1.1	1029	1.39	15	24.0	29.0	17	16	26.42	2	421.5	2000	0.91	4.9	0.40
105J_1989_1132	0	1.9	1920	0.82	4	3.2	6.9	12			4	349.1	1700	0.17	5.7	0.72
105J_1989_1133	0	2.3	2040	0.75	15	21.4	28.0	12			4	733.3	2900	0.19	3.7	0.67
105J_1989_1134	0	3.7	2645	0.99	10	13.6	18.0	7			3	767.4	2100	0.15	7.2	0.52
105J_1989_1135	0	1.7	1433	0.76	12	16.1	21.0	12			3	983.4	3400	0.18	4.6	0.62
105J_1989_1136	0	1.6	1220	0.94	13	16.9	21.0	10			3	1200.8	6140	0.24	3.8	0.66
105J_1989_1137	0	1.8	1208	0.76	12	18.2	21.0	12			4	883.6	4700	0.18	4.3	0.69
105J_1989_1138	0	1.2	921	0.99	7	11.4	15.0	10			4	410.8	2700	0.21	5.9	0.84
105J_1989_1139	0	0.9	599	0.90	20	37.6	47.0	6			3	867.0	5330	0.25	4.3	0.34
105J_1989_1140	0	1.1	900	0.79	10	14.4	21.0	12			3	787.8	6540	0.19	2.7	0.53
105J_1989_1142	0	1.8	1568	0.73	19	27.4	35.0	20	21	30.44	4	475.7	3200	0.21	10.0	0.57
105J_1989_1143	0	1.3	1283	0.81	12	16.0	21.0	10			4	1239.8	6040	0.18	4.6	0.62
105J_1989_1144	1	1.1	795	0.88	10	13.9	20.0	10			5	1231.9	6850	0.20	3.2	0.62
105J_1989_1146	2	1.1	777	0.89	10	14.8	18.0	8			5	1081.5	5120	0.21	2.9	0.63
105J_1989_1147	0	1.1	1212	0.91	12	18.2	21.0	14	11	28.19	5	840.6	4400	0.21	5.0	0.44
105J_1989_1148	0	3.4	2737	0.73	13	16.1	21.0	13			5	596.1	2700	0.18	2.7	0.68

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1111	0	4.2	4.37	54	8	10.9	12	17.1	81	5.1	86	80.70	<1	447	2.93	2.77	3.4
105J_1989_1112	0	<0.2	0.09	<5	<2	0.6	<5	14.5	<20	2.9	28	27.94	<1	309	27.60	29.58	33.4
105J_1989_1113	0	7.0	8.73	40	15	22.9	23	15.8	92	5.3	64	87.64	1	508	3.79	4.04	4.2
105J_1989_1114	0	10.7	13.48	51	26	34.9	38	12.5	79	5.3	63	68.68	<1	429	3.69	4.14	4.5
105J_1989_1115	0	2.5	2.72	53	8	10.3	12	12.8	84	5.9	55	52.80	<1	446	2.16	2.43	2.7
105J_1989_1117	0	1.9	2.34	67	9	9.2	11	12.3	80	4.4	50	45.14	<1	428	2.40	2.08	2.6
105J_1989_1118	0	2.6	2.96	60	8	10.7	11	15.2	82	4.7	53	50.84	<1	484	2.49	2.32	2.7
105J_1989_1119	0	4.5	5.20	57	7	10.6	11	14.3	89	5.1	70	73.60	<1	513	2.28	2.19	2.8
105J_1989_1120	0	10.6	12.09	53	20	23.7	26	14.2	100	6.5	61	59.19	1	440	3.57	3.51	4.3
105J_1989_1122	0	3.6	3.76	59	8	8.9	11	10.6	85	6.9	51	50.55	<1	388	2.38	2.33	3.1
105J_1989_1123	1	9.5	13.25	19	13	13.8	16	15.6	73	6.9	35	32.78	<1	318	5.96	4.68	5.8
105J_1989_1124	2	9.6	12.84	23	11	12.8	12	16.1	67	6.8	34	32.27	<1	332	6.71	5.92	5.8
105J_1989_1125	0	4.2	4.67	37	7	9.3	10	13.3	110	6.2	62	67.52	<1	391	2.51	2.47	2.8
105J_1989_1126	0	18.3	20.38	36	40	52.8	52	13.6	59	6.1	80	75.87	<1	364	4.97	5.00	5.1
105J_1989_1127	0	16.6	25.63	56	35	56.2	56	12.6	81	15.0	186	212.55	2	451	4.04	4.18	5.1
105J_1989_1128	0	9.8	9.97	29	11	11.5	17	31.9	160	2.7	120	115.36	1	408	3.25	2.73	3.8
105J_1989_1129	0	3.5	4.45	63	11	15.4	21	23.5	65	6.0	121	114.02	1	697	3.01	3.10	4.4
105J_1989_1131	0	1.9	2.61	56	6	6.2	9	16.1	77	7.7	60	55.80	<1	460	2.31	1.89	2.7
105J_1989_1132	0	4.5	5.25	45	4	4.7	6	27.0	110	4.1	75	72.73	<1	506	1.18	0.99	1.4
105J_1989_1133	0	12.7	16.85	46	7	12.2	15	26.0	140	4.6	84	84.34	<1	674	2.29	2.22	2.8
105J_1989_1134	0	11.4	11.99	39	4	4.2	6	24.9	100	3.9	95	88.92	<1	443	1.85	1.41	2.6
105J_1989_1135	0	8.2	8.98	54	5	7.3	9	24.5	110	4.9	60	53.56	<1	574	2.25	1.86	2.6
105J_1989_1136	0	12.9	15.14	65	7	7.9	9	23.5	120	5.3	67	64.46	<1	669	2.19	2.14	2.7
105J_1989_1137	0	9.4	10.48	56	9	10.9	10	23.7	89	4.2	76	77.87	<1	520	2.30	2.36	2.6
105J_1989_1138	0	5.4	5.07	46	8	7.7	7	18.4	52	4.3	59	49.80	<1	463	2.32	1.85	1.9
105J_1989_1139	0	2.4	2.45	63	9	7.8	10	16.0	75	5.8	46	38.93	<1	466	3.21	2.78	3.3
105J_1989_1140	0	6.1	7.19	61	8	7.8	10	24.5	100	4.6	63	66.19	<1	569	1.85	1.75	2.3
105J_1989_1142	0	11.0	11.80	60	18	20.6	22	20.4	130	4.6	115	110.00	<1	554	3.68	3.53	4.4
105J_1989_1143	0	10.5	12.60	61	8	8.1	10	27.5	120	4.5	75	71.80	1	653	2.09	1.95	2.6
105J_1989_1144	1	6.5	7.17	72	8	7.9	10	22.8	120	4.9	59	52.08	<1	653	2.02	1.93	2.9
105J_1989_1146	2	7.2	6.81	54	8	8.4	10	23.8	110	4.1	59	57.09	<1	642	2.04	2.04	2.4
105J_1989_1147	0	12.0	15.02	68	13	14.2	15	23.7	110	4.4	74	82.83	1	531	2.38	2.43	3.1
105J_1989_1148	0	14.6	15.28	44	9	8.0	10	34.3	150	3.6	93	91.53	<1	576	1.78	1.76	2.2

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1111	0	2.1	5	296	326	0.11	7.6	29	5.4	<0.2	0.19	230	282	9	9.84	11
105J_1989_1112	0	0.8	1	207	224	0.06	0.9	9	24.6	<0.2	0.01	12	15	3	1.65	<1
105J_1989_1113	0	2.1	2	330	378	0.10	5.9	22	7.7	<0.2	0.20	607	769	20	16.72	17
105J_1989_1114	0	1.7	4	170	192	0.11	4.8	24	7.3	<0.2	0.09	1421	1900	5	4.16	3
105J_1989_1115	0	2.1	4	238	264	0.11	8.0	25	5.4	<0.2	0.23	468	534	7	5.32	7
105J_1989_1117	0	1.8	8	211	218	0.09	7.1	32	6.3	<0.2	0.18	917	1016	5	3.92	4
105J_1989_1118	0	2.1	6	255	281	0.11	8.3	29	5.8	<0.2	0.22	770	914	5	4.50	5
105J_1989_1119	0	2.1	4	306	334	0.11	7.1	26	7.0	<0.2	0.19	553	632	8	7.87	9
105J_1989_1120	0	2.0	5	313	338	0.13	4.7	26	8.4	<0.2	0.12	1135	1359	8	6.87	8
105J_1989_1122	0	1.8	6	201	189	0.07	5.1	27	7.0	<0.2	0.13	281	319	5	3.99	5
105J_1989_1123	1	2.2	1	556	622	0.09	4.0	11	29.2	<0.2	0.10	1368	1361	10	9.26	9
105J_1989_1124	2	2.5	<1	571	685	0.08	4.0	11	26.0	<0.2	0.10	1560	1713	11	11.25	10
105J_1989_1125	0	1.2	3	340	412	0.08	2.3	20	5.8	<0.2	0.06	368	433	5	5.45	6
105J_1989_1126	0	2.1	2	496	536	0.09	2.7	16	21.7	<0.2	0.13	11102	8978	13	12.76	13
105J_1989_1127	0	1.8	3	347	527	0.12	3.4	27	10.4	<0.2	0.07	2262	2192	6	5.58	5
105J_1989_1128	0	1.8	2	649	687	0.06	3.2	21	16.1	<0.2	0.07	484	478	20	19.66	25
105J_1989_1129	0	4.2	4	391	390	0.17	13.0	33	19.7	<0.2	0.69	2002	1877	10	5.26	6
105J_1989_1131	0	3.8	4	316	341	0.13	10.4	27	11.5	<0.2	0.32	407	410	6	3.77	3
105J_1989_1132	0	2.4	3	459	505	0.08	8.3	26	21.2	<0.2	0.22	78	73	6	4.58	4
105J_1989_1133	0	2.6	4	418	493	0.13	10.1	28	10.3	<0.2	0.19	1031	1134	12	11.60	12
105J_1989_1134	0	3.0	3	500	562	0.09	7.8	21	20.6	<0.2	0.18	523	502	11	8.89	11
105J_1989_1135	0	2.4	3	399	413	0.09	9.4	28	16.5	<0.2	0.20	719	684	11	10.48	12
105J_1989_1136	0	2.6	4	354	393	0.11	12.6	31	8.5	<0.2	0.25	659	773	9	8.40	10
105J_1989_1137	0	2.7	4	374	456	0.13	14.1	27	8.8	<0.2	0.36	1408	1602	16	15.29	17
105J_1989_1138	0	2.8	4	245	242	0.12	10.6	21	21.6	<0.2	0.39	836	664	5	3.58	3
105J_1989_1139	0	2.1	4	187	192	0.10	11.6	32	10.8	<0.2	0.24	196	200	8	6.08	6
105J_1989_1140	0	2.5	4	252	265	0.11	12.4	32	7.4	<0.2	0.28	87	106	8	7.12	9
105J_1989_1142	0	2.3	3	498	554	0.15	14.6	32	11.9	<0.2	0.28	2002	1867	21	17.59	21
105J_1989_1143	0	2.6	4	333	363	0.11	13.1	30	7.6	<0.2	0.24	1017	1060	11	9.52	12
105J_1989_1144	1	2.5	4	224	237	0.11	12.5	34	7.5	<0.2	0.25	502	566	8	6.96	8
105J_1989_1146	2	2.4	4	228	257	0.10	11.8	26	7.4	<0.2	0.26	493	559	8	7.05	8
105J_1989_1147	0	2.8	3	364	532	0.11	12.1	32	8.8	<0.2	0.25	2340	2534	12	11.67	13
105J_1989_1148	0	2.3	3	512	595	0.13	8.9	25	8.8	<0.2	0.15	382	392	16	14.88	17

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1111	0	0.006	0.43	48	49.4	0.166	9	12.31	85	0.19	4.0	4.57	7.9	3.4	11.0	6.1
105J_1989_1112	0	0.001	0.07	<2	2.5	0.090	3	6.91	31	2.14	0.8	2.26	2.7	1.2	4.8	2.9
105J_1989_1113	0	0.005	0.22	86	93.1	0.214	10	13.45	82	0.24	8.0	6.47	10.2	3.2	10.0	8.8
105J_1989_1114	0	0.003	0.22	117	129.4	0.080	8	13.53	100	0.19	1.5	2.07	3.6	3.1	9.5	3.5
105J_1989_1115	0	0.006	0.32	40	40.0	0.111	10	12.96	110	0.16	2.7	3.02	5.9	2.7	8.5	4.1
105J_1989_1117	0	0.004	0.41	47	43.4	0.110	8	9.98	89	0.13	2.1	2.36	4.2	2.2	9.2	2.8
105J_1989_1118	0	0.005	0.40	51	57.9	0.112	9	11.61	86	0.10	2.4	2.61	4.4	2.9	9.5	3.0
105J_1989_1119	0	0.004	0.43	70	75.6	0.106	9	11.90	110	0.11	3.1	3.96	6.1	2.6	10.0	2.5
105J_1989_1120	0	0.003	0.26	152	146.6	0.143	11	14.53	110	0.15	2.7	2.42	4.6	3.1	11.0	4.1
105J_1989_1122	0	0.003	0.41	56	58.1	0.050	11	12.57	100	0.10	2.0	2.47	4.2	1.8	11.0	2.1
105J_1989_1123	1	0.008	0.49	96	100.1	0.556	8	10.17	81	0.23	1.0	1.65	2.8	1.9	7.9	10.1
105J_1989_1124	2	0.008	0.48	94	94.0	0.582	8	10.59	73	0.20	1.1	1.74	2.6	2.3	7.9	9.9
105J_1989_1125	0	0.002	0.14	64	68.4	0.101	8	11.48	76	0.12	2.0	3.14	4.6	2.9	8.8	3.8
105J_1989_1126	0	0.006	0.30	576	465.4	0.291	11	16.11	73	0.35	1.7	3.21	4.3	3.0	7.3	8.4
105J_1989_1127	0	0.002	0.12	396	445.7	0.156	19	30.44	110	0.21	3.0	4.41	6.2	8.3	15.0	6.1
105J_1989_1128	0	0.004	0.41	136	128.0	0.284	5	6.36	51	0.25	2.5	5.44	7.8	1.7	7.9	15.2
105J_1989_1129	0	0.009	0.53	104	100.7	0.195	97	108.72	87	0.21	13.0	10.63	18.2	2.0	10.0	3.3
105J_1989_1131	0	0.010	0.73	40	43.2	0.099	12	15.66	130	0.07	1.8	1.76	3.3	2.7	12.0	1.7
105J_1989_1132	0	0.008	0.50	85	88.4	0.172	12	13.50	80	0.18	1.7	2.55	3.8	1.3	10.0	8.1
105J_1989_1133	0	0.006	0.32	134	144.3	0.216	11	12.93	95	0.15	4.0	5.20	8.1	2.6	10.0	6.1
105J_1989_1134	0	0.018	1.30	152	140.0	0.241	8	8.81	92	0.13	1.7	3.53	4.9	0.4	10.0	4.4
105J_1989_1135	0	0.006	0.45	92	86.5	0.203	7	10.88	95	0.13	2.5	4.13	6.2	1.9	10.0	6.9
105J_1989_1136	0	0.006	0.45	156	151.5	0.227	9	13.86	98	0.10	3.5	4.73	7.2	2.4	10.0	5.5
105J_1989_1137	0	0.005	0.36	170	174.6	0.200	13	10.86	96	0.12	4.3	6.87	9.2	2.6	7.7	5.7
105J_1989_1138	0	0.008	0.33	46	41.4	0.137	13	10.25	86	0.11	1.7	2.37	3.6	2.0	7.1	3.1
105J_1989_1139	0	0.010	0.32	50	49.1	0.164	14	12.46	100	0.24	3.5	3.19	5.1	2.2	9.1	3.2
105J_1989_1140	0	0.006	0.36	86	88.7	0.186	11	11.57	100	0.26	3.6	4.37	6.9	2.5	9.1	7.3
105J_1989_1142	0	0.004	0.17	253	233.5	0.233	20	16.31	110	0.22	10.0	8.40	11.9	2.8	10.0	6.1
105J_1989_1143	0	0.006	0.42	153	143.9	0.231	12	11.15	90	0.12	4.0	5.13	7.6	2.4	10.0	6.8
105J_1989_1144	1	0.008	0.57	103	99.7	0.218	11	10.50	110	0.08	3.2	3.99	6.0	2.1	11.0	3.1
105J_1989_1146	2	0.008	0.50	104	103.2	0.229	11	11.35	91	0.09	3.3	3.66	5.5	2.3	8.8	3.5
105J_1989_1147	0	0.006	0.42	143	169.7	0.200	12	13.31	99	0.15	3.4	4.41	6.7	2.3	10.0	5.2
105J_1989_1148	0	0.005	0.29	196	201.9	0.263	15	12.51	84	0.11	8.0	6.37	10.0	2.7	10.0	10.6

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1111	0	5.8	2	87.5	1.1	1.0	0.11	2.0	8.7	0.008	0.35	3.5	7.9	7.1	94	86
105J_1989_1112	0	1.8	<1	11.5	<0.5	<0.5	0.02	0.6	3.1	0.002	0.17	0.8	2.0	1.9	396	449
105J_1989_1113	0	5.0	5	87.8	0.7	1.1	0.10	2.0	7.0	0.004	0.49	4.7	8.2	8.0	128	124
105J_1989_1114	0	5.6	2	34.4	0.9	1.1	0.08	1.5	8.2	0.004	0.43	1.4	4.3	3.9	68	72
105J_1989_1115	0	5.8	2	55.3	0.9	0.9	0.06	2.8	10.0	0.008	0.22	3.0	7.2	6.4	55	56
105J_1989_1117	0	6.8	<1	53.6	1.2	0.9	0.06	1.9	10.0	0.006	0.21	2.8	7.2	6.4	57	48
105J_1989_1118	0	6.1	2	57.3	0.9	0.8	0.08	2.0	8.8	0.007	0.23	2.9	6.6	6.2	62	58
105J_1989_1119	0	5.6	2	56.5	1.0	0.9	0.07	1.2	8.2	0.005	0.28	4.9	9.5	8.6	87	86
105J_1989_1120	0	5.8	3	49.6	1.1	1.1	0.09	1.4	8.8	0.004	0.42	2.1	5.7	5.2	109	107
105J_1989_1122	0	5.4	3	23.4	1.1	0.7	0.08	0.4	9.1	0.005	0.20	1.4	5.1	5.1	47	54
105J_1989_1123	1	2.8	2	58.0	<0.5	0.6	0.03	0.3	3.7	0.004	0.61	2.9	4.4	5.0	67	65
105J_1989_1124	2	2.7	3	55.4	<0.5	0.6	0.02	0.5	3.6	0.004	0.62	3.0	4.4	5.1	67	69
105J_1989_1125	0	4.3	2	58.4	0.8	0.7	0.11	0.7	6.2	0.002	0.29	2.3	5.7	5.1	73	79
105J_1989_1126	0	4.1	3	80.9	<0.5	0.5	0.10	0.5	5.4	0.004	0.80	3.0	5.4	5.8	106	98
105J_1989_1127	0	9.0	3	54.3	1.3	1.8	0.16	2.6	10.0	0.002	0.89	3.4	6.4	6.1	65	65
105J_1989_1128	0	6.3	2	96.9	<0.5	1.4	0.11	0.3	3.7	0.005	0.64	12.3	21.9	19.9	221	273
105J_1989_1129	0	5.8	18	76.2	1.0	0.8	0.08	0.9	8.4	0.020	0.41	5.8	10.0	10.0	114	87
105J_1989_1131	0	5.2	3	48.3	1.0	0.8	0.04	1.1	10.0	0.010	0.28	5.8	10.0	9.2	62	65
105J_1989_1132	0	5.2	5	84.9	1.0	1.0	0.06	0.3	7.0	0.004	0.40	10.3	15.0	16.2	88	101
105J_1989_1133	0	6.0	4	90.2	0.9	1.2	0.11	1.1	7.7	0.006	0.49	7.6	13.0	12.0	155	177
105J_1989_1134	0	4.0	2	57.2	0.7	0.7	0.07	0.1	6.2	0.003	0.47	14.3	20.0	20.8	143	147
105J_1989_1135	0	5.3	4	81.0	0.6	0.8	0.06	0.6	7.3	0.005	0.38	9.1	15.0	14.0	173	176
105J_1989_1136	0	6.1	2	103.2	1.0	1.0	0.07	1.3	8.4	0.008	0.43	4.3	8.4	7.8	130	132
105J_1989_1137	0	5.7	3	103.0	0.9	0.8	0.10	2.4	7.6	0.008	0.44	4.9	8.9	8.5	133	181
105J_1989_1138	0	4.2	5	86.3	0.8	0.6	0.06	1.4	7.5	0.007	0.25	7.3	11.0	11.5	73	77
105J_1989_1139	0	5.8	3	53.0	0.9	0.8	0.05	3.1	9.1	0.009	0.22	3.7	7.3	7.1	68	70
105J_1989_1140	0	6.1	3	81.8	0.9	0.9	0.06	1.8	8.4	0.008	0.33	5.5	10.0	9.3	111	139
105J_1989_1142	0	6.5	5	105.8	0.9	1.2	0.12	1.7	7.3	0.004	0.51	17.3	24.4	22.6	117	129
105J_1989_1143	0	6.0	4	99.4	1.0	1.1	0.10	1.3	7.9	0.008	0.44	6.4	11.0	10.1	146	177
105J_1989_1144	1	6.4	4	93.4	0.8	0.9	0.06	1.3	9.1	0.009	0.31	6.7	12.0	10.5	100	119
105J_1989_1146	2	5.2	4	92.7	0.8	0.6	0.09	1.4	7.7	0.009	0.31	7.1	11.0	10.7	89	117
105J_1989_1147	0	6.3	2	70.8	0.8	0.8	0.11	0.9	7.5	0.006	0.43	14.1	17.0	15.4	109	145
105J_1989_1148	0	5.8	5	98.1	0.7	0.9	0.13	0.8	6.6	0.006	0.61	9.9	15.0	14.2	165	221

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1111	0	0.1	1	35.83	3	312	368.0
105J_1989_1112	0	<0.1	<1	24.80	<2	27	27.9
105J_1989_1113	0	0.1	<1	24.78	2	798	748.2
105J_1989_1114	0	<0.1	1	37.26	4	640	651.6
105J_1989_1115	0	0.3	2	37.66	<2	254	282.0
105J_1989_1117	0	0.2	2	41.72	2	240	280.8
105J_1989_1118	0	0.2	2	39.71	3	313	358.8
105J_1989_1119	0	0.1	<1	41.04	3	518	535.4
105J_1989_1120	0	<0.1	1	34.71	3	882	844.9
105J_1989_1122	0	<0.1	<1	39.57	3	276	318.9
105J_1989_1123	1	<0.1	<1	16.01	<2	248	261.2
105J_1989_1124	2	<0.1	<1	18.10	<2	263	274.9
105J_1989_1125	0	<0.1	<1	19.93	3	340	406.2
105J_1989_1126	0	<0.1	<1	22.78	<2	1670	1727.1
105J_1989_1127	0	<0.1	1	27.94	4	1575	1852.7
105J_1989_1128	0	<0.1	<1	33.53	4	924	805.0
105J_1989_1129	0	0.1	2	28.66	3	529	478.5
105J_1989_1131	0	0.1	<1	33.19	2	249	270.0
105J_1989_1132	0	0.1	<1	25.43	<2	600	589.3
105J_1989_1133	0	0.1	<1	23.88	3	1350	1441.4
105J_1989_1134	0	0.1	<1	27.22	3	778	657.7
105J_1989_1135	0	0.1	2	31.10	3	710	610.1
105J_1989_1136	0	0.2	<1	36.41	3	1760	1916.0
105J_1989_1137	0	0.1	1	40.09	<2	1205	1402.4
105J_1989_1138	0	0.2	<1	14.63	<2	298	290.2
105J_1989_1139	0	0.5	2	20.21	3	406	389.2
105J_1989_1140	0	0.5	1	35.84	2	869	821.9
105J_1989_1142	0	<0.1	<1	36.51	4	1075	1020.9
105J_1989_1143	0	0.1	<1	36.22	3	1180	1271.1
105J_1989_1144	1	0.2	<1	35.37	3	1033	995.6
105J_1989_1146	2	0.2	<1	17.41	<2	1017	1010.1
105J_1989_1147	0	0.3	1	35.83	3	829	853.0
105J_1989_1148	0	<0.1	<1	33.18	4	1600	1841.7

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1149	0	3.5	3801	0.62	18	25.9	31.0	16	14	27.35	6	532.0	2000	0.19	7.8	0.77
105J_1989_1150	0	3.2	2006	0.77	2	0.7	4.1	25	23	9.24	5	610.1	1500	0.13	13.0	0.71
105J_1989_1151	0	1.9	1259	0.85	32	37.0	49.0	13			5	757.8	3200	0.56	7.6	0.46
105J_1989_1152	0	1.0	980	0.76	10	15.5	19.0	13			5	1520.6	6080	0.21	4.1	0.51
105J_1989_1153	0	1.8	1829	0.80	15	21.6	25.0	15	13	29.00	5	602.5	2800	0.20	4.7	0.64
105J_1989_1154	0	1.8	1488	0.69	13	17.7	23.0	16	17	19.51	3	893.5	5620	0.19	5.4	0.45
105J_1989_1155	0	1.5	1904	0.76	120	156.0	167.0	21	23	28.46	3	794.1	3300	1.15	5.3	0.37
105J_1989_1156	0	3.6	2872	0.79	15	22.1	26.0	14	12	21.87	3	1150.2	9650	0.19	7.4	0.42
105J_1989_1157	0	0.8	1023	0.84	10	15.0	18.0	16	13	28.03	4	932.5	6060	0.19	6.3	0.41
105J_1989_1158	0	1.4	1475	0.95	11	16.9	20.0	17	14	23.09	4	968.0	4700	0.24	7.2	0.54
105J_1989_1159	0	1.4	883	0.75	12	16.4	19.0	11			4	1354.9	8480	0.19	3.0	0.45
105J_1989_1160	0	0.6	443	0.96	6	8.9	11.0	11			5	375.5	2400	0.16	7.2	0.65
105J_1989_1162	1	1.0	927	0.76	11	15.2	17.0	16	8	13.66	4	1210.3	9800	0.18	1.8	0.50
105J_1989_1163	2	0.9	881	0.76	10	13.7	17.0	11	9	12.30	5	935.5	8060	0.17	2.0	0.50
105J_1989_1164	0	1.1	878	0.83	9	11.3	15.0	10			3	534.7	2800	0.17	5.6	0.45
105J_1989_1165	0	0.3	200	0.78	4	7.2	9.4	5			4	372.2	2400	0.10	4.2	0.60
105J_1989_1166	0	0.2	155	0.69	4	7.2	9.0	3			3	341.2	1700	0.11	5.1	1.05
105J_1989_1167	0	0.6	339	0.70	6	10.5	14.0	<2			3	474.5	2100	0.15	3.6	1.33
105J_1989_1168	0	0.5	259	0.73	2	4.6	5.5	<2			8	405.9	1200	0.12	16.0	2.10
105J_1989_1169	0	0.3	202	0.90	9	14.3	19.0	6			4	391.1	2600	0.16	2.2	0.64
105J_1989_1170	0	0.7	277	0.94	4	7.5	10.0	6			3	316.7	2000	0.16	4.8	0.82
105J_1989_1171	0	0.3	230	0.72	3	6.1	8.1	<2			5	319.9	1700	0.11	7.5	0.83
105J_1989_1172	0	0.5	234	0.74	3	5.3	7.4	6			4	317.6	1700	0.10	7.7	1.03
105J_1989_1174	0	<0.2	98	1.00	2	5.4	5.8	<2			4	123.3	920	0.03	28.0	1.84
105J_1989_1175	0	<0.2	69	0.52	2	5.7	6.0	<2			3	622.1	710	0.02	34.0	2.18
105J_1989_1176	0	0.2	246	1.43	12	19.9	23.0	8	5	17.75	4	229.0	1800	0.15	6.9	1.39
105J_1989_1177	0	0.3	292	1.30	13	23.8	28.0	7			5	253.8	2100	0.17	4.9	0.89
105J_1989_1178	0	0.5	399	0.95	9	13.6	17.0	13			4	414.9	2600	0.15	3.5	0.58
105J_1989_1179	0	<0.2	34	0.04	1	<0.1	1.8	<2			20	101.9	79	<0.02	14.0	3.36
105J_1989_1180	0	<0.2	225	0.88	3	4.6	6.7	6			5	155.8	1300	0.13	3.0	1.03
105J_1989_1182	1	0.2	171	1.07	7	11.6	14.0	6			3	335.0	1800	0.21	4.5	0.74
105J_1989_1183	2	<0.2	153	1.06	10	17.0	18.0	4			2	311.1	1400	0.19	5.4	0.82
105J_1989_1184	0	0.5	235	0.94	4	6.8	10.0	7			2	353.8	4100	0.16	2.6	0.53

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1149	0	21.3	31.24	45	6	5.1	<5	31.4	150	3.9	113	123.97	1	602	2.14	2.18	2.3
105J_1989_1150	0	5.6	4.21	22	2	1.4	<5	15.4	57	3.2	80	74.38	<1	315	0.55	0.37	0.7
105J_1989_1151	0	9.3	9.24	51	11	9.9	12	20.7	99	5.3	83	73.85	<1	564	2.17	1.77	2.6
105J_1989_1152	0	5.1	6.35	49	9	7.7	10	16.5	90	4.7	57	58.27	<1	442	2.01	1.99	2.4
105J_1989_1153	0	16.6	22.03	59	11	12.8	13	24.1	130	4.1	89	95.11	<1	581	2.41	2.46	3.1
105J_1989_1154	0	9.9	12.85	52	9	10.1	10	24.4	130	5.3	84	85.63	<1	545	2.24	1.99	2.6
105J_1989_1155	0	4.4	8.53	48	9	11.9	14	18.6	96	6.5	91	109.78	1	531	2.71	2.91	3.8
105J_1989_1156	0	12.6	16.73	47	8	9.1	8	39.0	160	4.2	118	120.99	<1	620	2.51	1.79	2.5
105J_1989_1157	0	3.6	5.67	60	8	10.6	12	18.9	99	5.3	54	68.32	<1	478	2.35	2.18	3.1
105J_1989_1158	0	7.6	9.74	53	9	11.3	11	27.6	120	5.2	79	86.16	<1	607	2.59	2.72	3.1
105J_1989_1159	0	5.2	5.40	76	8	8.3	9	21.8	100	4.1	61	62.42	1	617	1.78	1.78	2.2
105J_1989_1160	0	2.4	3.16	56	9	9.3	9	17.4	61	4.1	57	59.74	<1	640	2.16	2.11	2.6
105J_1989_1162	1	3.8	5.06	80	9	10.6	11	22.2	89	3.6	64	71.75	<1	731	2.18	2.19	2.5
105J_1989_1163	2	4.0	5.21	66	10	9.6	11	21.0	90	3.6	64	64.09	1	690	2.20	2.14	2.4
105J_1989_1164	0	9.4	8.06	55	19	18.0	24	12.5	67	4.1	49	41.10	<1	460	2.43	1.84	2.6
105J_1989_1165	0	1.1	0.88	60	6	5.3	8	11.9	61	3.7	23	19.85	1	495	1.78	1.61	2.3
105J_1989_1166	0	0.4	0.74	63	9	9.2	12	10.2	59	3.4	25	22.98	<1	572	2.45	2.31	3.0
105J_1989_1167	0	1.2	1.62	64	8	8.0	10	12.0	67	4.8	35	32.00	<1	500	2.26	1.96	2.7
105J_1989_1168	0	1.0	1.27	31	6	5.8	5	9.2	39	4.0	30	26.06	<1	261	2.98	2.87	3.0
105J_1989_1169	0	1.3	1.50	61	8	8.5	11	13.5	60	4.3	35	32.47	<1	506	1.92	2.01	2.8
105J_1989_1170	0	1.4	1.35	63	9	7.9	11	13.4	66	5.7	35	31.35	<1	462	2.28	1.86	2.5
105J_1989_1171	0	0.8	1.11	44	8	7.3	9	8.9	53	10.0	26	22.48	<1	395	2.36	1.90	2.3
105J_1989_1172	0	0.9	1.31	31	5	3.8	<5	10.2	37	3.5	33	27.48	<1	500	2.19	1.85	2.1
105J_1989_1174	0	0.2	0.79	<5	5	5.5	<5	5.5	<20	0.5	23	19.41	<1	45	13.70	9.98	11.0
105J_1989_1175	0	0.2	0.79	<5	3	2.3	<5	3.8	<20	<0.5	11	9.47	<1	28	16.10	11.97	13.0
105J_1989_1176	0	0.2	1.16	58	10	9.1	10	18.5	51	4.4	44	38.75	<1	552	2.73	2.36	3.1
105J_1989_1177	0	0.5	1.02	67	10	9.3	11	18.0	65	5.0	48	42.87	<1	643	3.68	3.56	4.2
105J_1989_1178	0	1.0	1.44	69	8	7.9	10	16.9	74	4.7	48	44.77	<1	670	2.61	2.48	3.2
105J_1989_1179	0	0.2	1.05	<5	<2	1.7	<5	3.0	<20	<0.5	7	10.02	<1	25	0.60	1.04	1.0
105J_1989_1180	0	0.2	0.63	73	6	7.4	9	13.5	79	4.6	45	38.56	<1	633	2.23	1.91	2.7
105J_1989_1182	1	0.4	0.72	61	9	9.2	12	15.0	47	4.1	37	36.61	<1	479	2.44	2.47	3.0
105J_1989_1183	2	0.5	0.98	52	8	8.6	9	14.2	27	3.9	37	34.72	<1	482	3.17	3.00	2.7
105J_1989_1184	0	1.2	1.85	94	11	12.1	14	10.7	63	5.6	40	41.51	1	814	2.20	2.27	3.0

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1149	0	2.2	3	1200	1055	0.10	9.0	25	10.6	<0.2	0.13	359	438	23	22.04	25
105J_1989_1150	0	1.9	<1	1120	1081	0.07	4.6	11	39.0	<0.2	0.18	53	41	<2	1.03	2
105J_1989_1151	0	2.4	3	381	424	0.09	8.4	25	9.9	<0.2	0.21	485	468	11	9.88	12
105J_1989_1152	0	2.2	5	291	355	0.11	7.4	25	8.7	<0.2	0.18	364	379	6	6.01	6
105J_1989_1153	0	2.4	4	415	587	0.11	9.9	29	8.9	<0.2	0.16	1508	1782	15	15.53	17
105J_1989_1154	0	2.3	3	547	628	0.09	9.0	29	8.6	<0.2	0.18	716	867	9	9.35	11
105J_1989_1155	0	2.4	3	437	613	0.11	10.4	26	7.5	<0.2	0.17	1294	2075	7	8.20	7
105J_1989_1156	0	2.8	3	760	921	0.08	9.7	29	14.6	<0.2	0.17	469	404	20	17.38	19
105J_1989_1157	0	2.3	5	300	392	0.09	10.6	30	7.8	<0.2	0.27	655	899	5	5.60	6
105J_1989_1158	0	3.0	3	448	514	0.14	13.1	29	9.6	<0.2	0.33	624	779	10	9.71	10
105J_1989_1159	0	2.4	6	312	295	0.11	16.4	41	6.5	<0.2	0.29	335	365	5	5.76	5
105J_1989_1160	0	2.8	4	331	244	0.13	15.6	27	8.3	<0.2	0.50	746	818	4	3.68	4
105J_1989_1162	1	2.6	5	239	273	0.12	16.8	38	5.0	<0.2	0.35	352	478	7	7.46	8
105J_1989_1163	2	2.4	5	262	272	0.11	15.4	34	6.1	<0.2	0.35	450	514	10	6.84	7
105J_1989_1164	0	2.5	4	422	339	0.07	9.5	25	16.4	<0.2	0.22	4836	3041	6	4.06	4
105J_1989_1165	0	2.3	5	110	92	0.09	9.5	27	9.7	<0.2	0.33	533	472	2	1.58	1
105J_1989_1166	0	1.9	3	160	133	0.07	6.0	30	14.4	<0.2	0.40	939	845	<2	0.67	<1
105J_1989_1167	0	2.0	5	217	180	0.09	9.0	27	20.9	<0.2	0.31	732	610	<2	1.33	1
105J_1989_1168	0	1.8	1	129	122	0.08	5.4	15	44.3	<0.2	0.33	2782	2196	<2	0.56	<1
105J_1989_1169	0	2.6	5	114	111	0.14	13.4	30	9.1	<0.2	0.43	447	488	2	1.88	2
105J_1989_1170	0	2.4	4	171	140	0.09	10.0	28	16.3	<0.2	0.38	430	394	<2	1.19	<1
105J_1989_1171	0	1.7	3	164	162	0.08	5.8	21	23.6	<0.2	0.24	386	317	<2	0.47	<1
105J_1989_1172	0	1.8	2	205	211	0.07	6.5	18	29.5	<0.2	0.33	220	197	2	1.28	1
105J_1989_1174	0	0.9	<1	112	117	0.01	3.4	4	68.7	<0.2	0.16	1508	1433	2	2.10	<1
105J_1989_1175	0	0.4	<1	93	101	0.02	1.7	2	69.5	<0.2	0.15	1430	1310	<2	1.23	<1
105J_1989_1176	0	4.0	4	96	94	0.15	12.9	29	100.0	<0.2	0.78	1238	1033	<2	0.76	<1
105J_1989_1177	0	3.5	5	102	100	0.16	17.2	32	13.5	<0.2	0.71	234	257	<2	1.18	<1
105J_1989_1178	0	2.8	5	192	231	0.12	14.3	33	10.6	<0.2	0.48	452	473	2	2.90	3
105J_1989_1179	0	0.1	<1	74	82	0.02	<0.5	<2	87.7	<0.2	0.31	230	449	<2	1.22	<1
105J_1989_1180	0	2.2	5	186	207	0.12	15.3	32	13.1	<0.2	0.49	346	305	<2	1.29	<1
105J_1989_1182	1	2.9	4	93	103	0.11	12.3	31	10.5	<0.2	0.50	1229	1192	<2	1.06	<1
105J_1989_1183	2	2.9	4	93	85	0.10	10.7	24	14.8	<0.2	0.43	666	642	<2	1.33	<1
105J_1989_1184	0	2.1	6	109	124	0.08	14.2	43	6.5	<0.2	0.36	436	502	<2	2.23	2

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1149	0	0.004	0.25	363	379.1	0.298	18	18.12	86	0.15	10.0	8.86	12.1	2.3	8.6	10.5
105J_1989_1150	0	0.007	0.34	60	50.9	0.230	11	8.80	53	0.32	0.9	1.78	2.4	1.1	5.4	9.6
105J_1989_1151	0	0.007	0.41	118	123.3	0.189	17	14.76	93	0.12	3.5	3.66	7.1	2.0	10.0	5.5
105J_1989_1152	0	0.006	0.41	86	86.5	0.166	13	12.67	90	0.12	3.0	3.00	5.3	2.7	10.0	5.5
105J_1989_1153	0	0.004	0.36	169	193.3	0.254	14	14.19	88	0.11	3.6	5.41	7.8	2.4	10.0	5.8
105J_1989_1154	0	0.004	0.38	101	130.0	0.194	14	12.16	90	0.12	3.6	4.93	7.3	1.7	9.4	5.8
105J_1989_1155	0	0.008	0.76	57	84.6	0.182	27	32.00	81	0.19	10.0	10.42	12.2	2.2	10.0	4.0
105J_1989_1156	0	0.005	0.43	136	159.9	0.232	15	13.20	89	0.20	10.0	7.28	10.7	1.5	10.0	15.3
105J_1989_1157	0	0.006	0.57	55	66.1	0.164	11	12.59	91	0.08	2.0	2.83	4.4	2.1	11.0	3.8
105J_1989_1158	0	0.005	0.36	114	137.0	0.190	16	15.32	100	0.11	3.8	4.78	7.2	3.1	10.0	5.8
105J_1989_1159	0	0.005	0.38	63	65.6	0.175	12	11.32	86	0.10	2.3	2.93	4.6	2.4	8.9	4.9
105J_1989_1160	0	0.006	0.42	43	46.6	0.152	9	10.34	96	0.06	1.4	1.77	2.9	2.6	7.9	2.4
105J_1989_1162	1	0.005	0.28	60	69.1	0.199	11	11.37	80	0.10	2.8	4.06	5.5	2.8	7.9	5.5
105J_1989_1163	2	0.004	0.30	65	71.2	0.189	12	10.71	89	0.10	2.7	3.82	5.4	2.5	8.3	5.1
105J_1989_1164	0	0.008	0.50	50	43.5	0.122	13	8.29	83	0.07	1.2	1.75	2.9	1.6	8.5	2.5
105J_1989_1165	0	0.008	0.49	20	18.3	0.132	10	7.85	91	0.14	0.6	0.78	1.5	2.4	8.8	0.9
105J_1989_1166	0	0.007	0.63	18	18.6	0.091	13	10.08	88	0.10	0.4	0.56	1.1	3.6	10.0	1.3
105J_1989_1167	0	0.006	0.41	28	26.9	0.108	17	14.68	92	0.11	1.0	1.28	2.2	3.0	9.2	3.2
105J_1989_1168	0	0.015	0.56	13	13.7	0.090	10	5.87	61	0.34	0.2	0.58	0.8	1.6	5.8	1.5
105J_1989_1169	0	0.008	0.50	24	24.5	0.122	14	14.15	89	0.04	1.4	1.63	2.8	2.6	9.3	1.4
105J_1989_1170	0	0.009	0.50	23	23.1	0.088	13	11.18	94	0.35	1.0	0.95	2.0	2.9	10.0	1.8
105J_1989_1171	0	0.011	0.41	15	16.2	0.081	10	7.69	87	0.40	0.4	0.63	1.2	2.1	7.8	2.1
105J_1989_1172	0	0.013	0.43	15	13.6	0.098	9	6.58	77	0.79	0.4	0.73	1.1	2.1	5.5	2.0
105J_1989_1174	0	0.005	0.07	7	10.8	0.154	4	1.25	8	1.58	0.2	0.52	0.5	1.2	1.7	1.1
105J_1989_1175	0	0.004	0.03	4	6.5	0.101	4	0.58	<5	0.38	<0.2	0.18	0.2	0.9	1.1	0.9
105J_1989_1176	0	0.024	0.63	25	25.2	0.108	16	12.38	84	0.13	1.0	1.04	1.6	2.9	8.7	1.6
105J_1989_1177	0	0.010	0.49	25	26.3	0.138	16	16.84	94	0.08	1.6	1.43	2.5	3.2	10.0	2.2
105J_1989_1178	0	0.005	0.39	28	27.9	0.154	13	12.03	100	0.03	2.0	1.71	3.2	2.8	10.0	2.0
105J_1989_1179	0	0.005	0.02	4	7.8	0.076	6	2.05	<5	0.63	0.3	0.61	0.5	0.3	0.3	7.6
105J_1989_1180	0	0.006	0.44	27	27.5	0.100	11	9.70	110	0.08	0.4	0.65	1.2	2.6	10.0	1.3
105J_1989_1182	1	0.015	0.93	19	21.8	0.124	12	12.68	100	0.07	0.7	0.70	1.5	2.5	10.0	1.2
105J_1989_1183	2	0.017	0.67	18	19.9	0.116	11	10.63	99	0.08	0.6	0.56	1.2	2.2	7.1	1.3
105J_1989_1184	0	0.006	0.45	26	32.3	0.155	11	11.47	120	0.07	0.9	0.73	1.7	2.2	11.0	1.1

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1149	0	6.0	4	108.8	0.7	1.1	0.19	0.5	6.7	0.004	0.70	6.8	12.0	11.7	158	202
105J_1989_1150	0	3.0	3	81.5	<0.5	0.6	0.02	0.3	3.1	0.003	0.26	3.0	5.1	5.8	40	35
105J_1989_1151	0	5.3	3	63.1	0.9	0.9	0.08	0.6	7.2	0.006	0.39	10.4	16.0	15.4	124	142
105J_1989_1152	0	4.8	4	63.8	0.9	0.8	0.10	1.2	7.4	0.004	0.34	4.3	7.9	7.5	80	93
105J_1989_1153	0	6.1	2	94.6	0.8	0.9	0.11	0.7	7.3	0.005	0.51	14.0	17.0	16.7	138	168
105J_1989_1154	0	5.3	3	85.9	0.8	0.9	0.10	0.6	6.5	0.006	0.42	12.9	16.0	15.4	117	141
105J_1989_1155	0	5.3	3	101.9	0.8	0.8	0.11	0.7	6.4	0.007	0.38	10.2	11.0	10.6	63	79
105J_1989_1156	0	5.6	1	86.5	0.7	1.0	0.13	0.3	6.6	0.006	0.79	21.7	24.7	25.1	213	290
105J_1989_1157	0	5.9	<1	68.8	0.9	1.0	0.10	0.8	8.1	0.007	0.28	5.5	8.6	7.9	69	84
105J_1989_1158	0	5.8	2	98.6	0.9	0.9	0.12	1.5	7.7	0.008	0.42	9.2	12.0	12.6	109	138
105J_1989_1159	0	7.5	1	77.9	1.0	1.0	0.06	2.3	10.0	0.010	0.29	6.9	11.0	11.5	85	124
105J_1989_1160	0	5.2	3	62.5	1.0	0.8	0.05	2.2	8.3	0.009	0.19	2.0	5.8	5.3	50	63
105J_1989_1162	1	6.9	1	85.8	1.0	0.8	0.10	3.1	8.9	0.011	0.29	6.1	9.5	9.3	79	120
105J_1989_1163	2	6.2	4	83.3	0.9	0.8	0.07	2.6	8.2	0.009	0.28	6.4	10.0	9.1	103	118
105J_1989_1164	0	4.8	3	54.3	0.9	0.8	0.05	0.8	7.0	0.006	0.24	2.9	6.1	5.6	69	61
105J_1989_1165	0	4.6	3	48.9	1.0	0.6	0.02	2.5	8.2	0.005	0.10	1.6	4.2	3.9	37	36
105J_1989_1166	0	4.5	3	74.4	1.0	0.7	0.02	2.5	9.1	0.002	0.10	0.7	2.8	2.9	28	23
105J_1989_1167	0	4.4	6	72.6	0.8	0.6	0.03	2.5	8.0	0.003	0.18	2.3	5.0	5.0	41	39
105J_1989_1168	0	2.2	6	145.1	0.6	<0.5	0.03	1.3	5.2	0.003	0.09	1.5	2.8	3.0	29	21
105J_1989_1169	0	5.0	3	50.9	1.1	0.8	0.03	3.1	9.0	0.008	0.14	1.1	3.7	3.5	41	42
105J_1989_1170	0	4.8	5	45.5	1.1	0.8	0.03	3.0	8.9	0.003	0.14	1.5	4.0	4.2	37	35
105J_1989_1171	0	3.5	2	52.9	0.8	<0.5	0.02	1.9	6.6	0.002	0.18	1.1	3.1	3.3	23	23
105J_1989_1172	0	3.2	4	59.0	0.8	0.5	0.02	1.9	6.3	0.004	0.12	1.3	3.4	3.6	29	26
105J_1989_1174	0	1.2	5	125.4	<0.5	<0.5	0.02	0.6	1.2	0.006	0.07	0.7	0.8	1.0	21	14
105J_1989_1175	0	0.6	5	90.2	<0.5	<0.5	<0.02	0.4	0.5	0.003	0.02	0.5	0.6	0.7	17	10
105J_1989_1176	0	4.5	6	94.7	1.3	0.7	0.03	2.9	9.1	0.018	0.15	1.2	3.7	4.1	47	47
105J_1989_1177	0	5.4	3	65.8	1.3	0.9	0.04	4.4	10.0	0.010	0.14	1.1	4.1	4.0	43	47
105J_1989_1178	0	5.7	2	52.3	1.3	0.9	0.02	3.3	11.0	0.005	0.16	2.4	6.2	5.7	44	54
105J_1989_1179	0	<0.1	7	91.9	<0.5	<0.5	<0.02	0.1	<0.2	0.001	0.04	7.2	6.1	7.7	7	2
105J_1989_1180	0	5.4	2	40.9	1.6	0.7	0.02	3.2	11.0	0.003	0.14	1.2	4.6	4.7	29	25
105J_1989_1182	1	5.2	3	67.0	0.8	0.6	0.02	3.4	12.0	0.004	0.08	1.5	4.1	4.1	30	27
105J_1989_1183	2	4.1	3	72.3	0.7	0.7	0.03	2.3	10.0	0.003	0.06	1.6	3.8	4.1	32	27
105J_1989_1184	0	7.5	1	76.0	1.8	1.0	0.03	3.9	14.0	0.002	0.14	3.2	8.4	7.1	21	19

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1149	0	0.1	<1	36.09	3	4525	4405.1
105J_1989_1150	0	<0.1	<1	13.82	<2	132	113.5
105J_1989_1151	0	0.3	<1	34.39	3	950	834.0
105J_1989_1152	0	<0.1	<1	37.29	2	608	615.0
105J_1989_1153	0	0.1	1	36.52	3	1410	1635.9
105J_1989_1154	0	<0.1	1	29.16	3	915	878.6
105J_1989_1155	0	0.1	1	38.18	3	367	703.0
105J_1989_1156	0	0.1	<1	27.42	3	915	896.5
105J_1989_1157	0	<0.1	1	29.84	3	301	359.9
105J_1989_1158	0	0.1	<1	29.16	2	985	1100.6
105J_1989_1159	0	0.3	1	44.41	3	439	498.2
105J_1989_1160	0	<0.1	1	29.74	<2	262	306.7
105J_1989_1162	1	0.1	2	22.37	2	407	510.4
105J_1989_1163	2	0.1	2	20.76	3	467	527.2
105J_1989_1164	0	0.1	<1	30.17	2	297	280.5
105J_1989_1165	0	<0.1	1	36.90	2	143	144.7
105J_1989_1166	0	<0.1	<1	30.01	<2	107	99.4
105J_1989_1167	0	<0.1	<1	26.23	<2	180	165.3
105J_1989_1168	0	<0.1	<1	15.03	<2	145	136.2
105J_1989_1169	0	0.1	<1	39.05	2	135	138.1
105J_1989_1170	0	<0.1	<1	26.67	2	152	148.3
105J_1989_1171	0	0.1	1	24.27	<2	120	113.3
105J_1989_1172	0	<0.1	<1	16.46	<2	120	113.5
105J_1989_1174	0	<0.1	<1	12.06	<2	113	103.3
105J_1989_1175	0	<0.1	<1	12.90	<2	146	138.4
105J_1989_1176	0	<0.1	2	24.09	<2	131	124.4
105J_1989_1177	0	<0.1	1	28.59	<2	123	131.5
105J_1989_1178	0	<0.1	<1	30.69	2	165	174.9
105J_1989_1179	0	<0.1	<1	9.38	<2	35	67.3
105J_1989_1180	0	<0.1	<1	29.62	2	108	109.8
105J_1989_1182	1	<0.1	<1	23.40	<2	92	100.4
105J_1989_1183	2	<0.1	2	13.55	<2	86	90.1
105J_1989_1184	0	<0.1	<1	32.44	2	206	213.5

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1185	0	0.3	208	0.34	5	8.4	8.4	3			11	99.8	220	0.06	38.0	2.53
105J_1989_1186	0	<0.2	195	0.98	5	7.9	12.0	6			3	233.2	2100	0.19	4.0	0.53
105J_1989_1188	0	0.5	350	1.24	6	8.7	11.0	13			7	892.7	3000	0.17	4.6	1.41
105J_1989_1189	0	0.3	425	1.42	80	131.2	159.0	<2			4	430.4	2400	0.70	3.1	0.65
105J_1989_1190	0	<0.2	154	1.08	3	4.8	6.0	6			5	412.1	1900	0.14	4.8	1.76
105J_1989_1191	0	<0.2	124	1.14	11	14.9	21.0	<2			2	206.4	1500	0.55	3.6	0.63
105J_1989_1192	0	0.9	564	1.34	80	127.9	163.0	9			4	425.1	2300	1.24	4.6	0.73
105J_1989_1193	0	0.5	574	1.24	40	53.4	60.8	9			4	577.4	2800	0.58	7.1	0.72
105J_1989_1194	0	0.4	547	1.77	50	75.8	82.3	10			2	326.7	2400	0.34	7.6	0.38
105J_1989_1195	0	0.6	697	0.67	10	13.2	16.0	29	19	35.30	3	1108.3	10300	0.26	1.1	0.76
105J_1989_1196	0	0.8	516	0.90	20	29.5	34.0	11			4	664.0	3300	0.31	3.1	0.67
105J_1989_1197	0	<0.2	265	1.03	4	10.4	14.0	6			2	175.6	1300	0.26	3.9	0.68
105J_1989_1198	0	0.3	233	0.84	7	9.8	13.0	4			3	234.0	1900	0.28	5.9	0.68
105J_1989_1199	0	<0.2	178	0.74	80	102.7	118.0	<2			4	294.0	2000	0.11	6.6	1.12
105J_1989_1200	0	0.4	204	0.84	4	6.7	7.8	5			3	280.1	1700	0.15	3.0	0.68
105J_1989_1202	1	0.2	251	0.97	6	9.2	12.0	4			2	362.9	2000	0.22	1.7	0.57
105J_1989_1204	2	0.2	263	1.00	5	10.0	10.0	4			3	372.3	1700	0.24	1.2	0.59
105J_1989_1205	0	<0.2	322	0.85	8	12.8	14.0	6			4	366.3	2000	0.26	2.9	0.74
105J_1989_1206	0	0.3	121	0.85	5	8.4	9.1	5			2	308.7	1700	0.14	4.2	0.72
105J_1989_1207	0	0.2	154	1.28	7	11.2	12.0	3			2	285.2	2100	0.66	1.3	0.60
105J_1989_1208	0	0.6	598	1.71	60	86.1	81.3	8			3	614.6	2800	1.69	8.0	0.81
105J_1989_1209	0	0.3	256	1.17	3	4.9	5.3	6			3	350.5	1700	0.17	3.1	1.06
105J_1989_1210	0	1.0	855	3.04	12	25.5	23.0	20	19	8.42	6	611.2	1200	0.17	12.0	1.21
105J_1989_1211	0	0.3	201	0.70	62	88.8	69.5	<2			5	162.7	280	0.08	18.0	2.21
105J_1989_1212	0	1.3	1170	0.97	<1	<0.1	2.3	12			4	127.3	670	0.08	11.0	1.24
105J_1989_1213	0	0.4	246	1.29	4	5.4	6.5	9			6	336.8	2100	0.12	6.1	0.97
105J_1989_1214	0	0.2	456	1.12	10	15.4	17.0	10			5	402.7	2700	0.13	4.2	0.85
105J_1989_1215	0	0.6	336	1.85	70	91.5	93.7	10			3	290.5	1900	0.61	6.8	1.11
105J_1989_1216	0	<0.2	276	1.61	4	6.2	7.2	10			4	344.1	2000	0.17	3.3	0.88
105J_1989_1217	0	<0.2	293	3.82	7	10.5	11.0	7			4	305.6	1900	1.60	4.2	1.99
105J_1989_1218	0	<0.2	284	1.86	15	26.3	23.0	7			2	261.5	1300	0.68	7.3	1.26
105J_1989_1219	0	0.2	273	1.28	5	7.6	7.9	12			5	254.8	2300	0.15	2.1	1.10
105J_1989_1220	0	<0.2	237	1.38	11	16.6	15.0	8			4	332.4	1800	0.34	4.4	0.99

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1185	0	1.0	1.54	6	7	6.2	5	5.1	<20	0.7	48	44.64	<1	133	2.31	2.17	2.2
105J_1989_1186	0	0.3	0.81	84	9	10.6	12	12.6	61	5.3	34	31.45	1	572	2.55	2.51	3.5
105J_1989_1188	0	0.5	1.03	75	9	9.6	11	16.3	67	5.2	59	59.46	1	1000	2.43	2.57	3.0
105J_1989_1189	0	4.7	5.56	69	10	12.9	15	18.7	54	5.8	41	42.38	<1	442	2.52	2.54	2.9
105J_1989_1190	0	0.8	0.87	83	8	9.8	12	17.0	75	4.0	31	31.60	1	661	2.25	2.29	2.7
105J_1989_1191	0	0.6	0.86	83	8	8.6	12	13.3	56	3.9	21	21.80	1	438	2.17	2.03	2.8
105J_1989_1192	0	3.0	3.53	79	8	10.3	11	26.5	85	7.2	45	49.60	1	552	4.36	4.45	5.5
105J_1989_1193	0	12.9	15.80	85	11	12.2	13	23.6	79	8.0	60	62.62	<1	538	3.07	2.93	3.4
105J_1989_1194	0	4.7	6.14	110	54	70.6	70	13.1	95	12.0	125	143.22	2	442	4.65	4.97	4.9
105J_1989_1195	0	3.3	4.05	67	11	12.6	12	14.3	95	8.1	104	119.52	1	701	2.61	2.78	3.3
105J_1989_1196	0	3.0	3.18	71	12	11.5	12	15.9	81	8.2	74	68.20	<1	590	2.74	2.57	2.9
105J_1989_1197	0	1.3	1.71	68	5	4.1	5	18.6	68	8.5	31	29.60	<1	379	1.93	1.62	2.1
105J_1989_1198	0	1.6	1.68	64	6	6.5	8	12.9	49	4.3	38	34.68	<1	565	1.77	1.59	2.2
105J_1989_1199	0	9.8	8.78	61	9	8.8	11	10.4	49	5.4	19	16.66	<1	544	2.12	1.82	2.5
105J_1989_1200	0	0.9	1.08	50	8	6.5	6	12.2	54	3.4	23	28.81	<1	541	1.85	1.55	1.8
105J_1989_1202	1	1.3	1.23	63	9	9.2	10	15.3	82	4.6	48	41.56	<1	511	2.52	2.05	2.7
105J_1989_1204	2	1.4	1.27	63	10	9.4	7	15.8	69	4.5	50	43.14	<1	502	2.54	2.09	2.5
105J_1989_1205	0	1.5	1.28	54	9	7.9	10	12.5	68	5.3	48	40.33	<1	608	2.33	1.87	2.5
105J_1989_1206	0	1.2	1.12	73	9	7.8	9	12.3	54	3.4	20	18.88	<1	567	2.10	1.88	2.4
105J_1989_1207	0	1.1	1.11	71	9	9.1	10	15.0	45	4.6	28	25.65	<1	510	2.44	2.21	2.8
105J_1989_1208	0	8.3	6.85	62	14	13.6	14	23.7	71	7.3	62	51.43	<1	446	4.39	4.06	4.6
105J_1989_1209	0	1.5	1.09	57	6	6.1	8	18.1	50	3.3	46	40.24	1	608	2.01	1.62	2.0
105J_1989_1210	0	3.5	3.48	98	7	9.0	8	25.0	78	4.2	131	125.38	<1	508	3.68	3.33	3.8
105J_1989_1211	0	4.2	3.61	13	<2	2.2	<5	7.4	<20	0.7	32	27.77	<1	97	3.07	3.47	3.3
105J_1989_1212	0	2.6	1.91	20	2	2.1	<5	7.1	<20	2.3	100	85.07	<1	279	0.78	0.60	1.1
105J_1989_1213	0	1.5	1.18	58	11	8.2	9	17.2	54	4.0	41	34.74	<1	782	2.40	2.16	2.6
105J_1989_1214	0	2.5	2.24	54	11	9.4	10	19.4	79	4.1	51	44.27	<1	744	2.77	2.64	3.2
105J_1989_1215	0	1.3	1.15	65	12	10.6	13	25.1	79	4.7	48	40.51	<1	886	3.03	2.78	3.4
105J_1989_1216	0	1.2	1.23	69	11	9.6	12	23.5	95	3.9	22	44.60	<1	691	2.29	2.09	2.7
105J_1989_1217	0	1.5	1.25	78	16	14.2	15	42.5	66	6.9	61	54.72	<1	955	3.27	3.24	3.9
105J_1989_1218	0	1.4	1.31	58	9	11.2	9	24.5	70	4.0	39	36.91	<1	456	2.86	2.71	3.4
105J_1989_1219	0	1.0	0.91	71	10	9.3	13	18.6	64	4.4	61	54.60	<1	786	2.50	2.38	3.1
105J_1989_1220	0	1.8	1.35	76	10	9.9	10	19.7	62	3.5	44	38.96	<1	666	2.43	2.26	2.7

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1185	0	0.7	<1	102	101	0.03	1.8	4	78.6	<0.2	0.27	703	628	10	7.75	7
105J_1989_1186	0	2.4	6	109	115	0.07	13.3	41	8.9	<0.2	0.44	273	295	<2	1.14	<1
105J_1989_1188	0	3.1	8	220	297	0.19	19.0	39	9.4	<0.2	0.91	177	228	4	2.90	2
105J_1989_1189	0	4.0	5	96	107	0.15	16.9	32	10.5	<0.2	0.48	192	237	4	3.86	3
105J_1989_1190	0	3.1	8	115	149	0.10	18.3	39	11.8	<0.2	0.75	185	213	<2	1.17	<1
105J_1989_1191	0	3.2	7	68	71	0.11	14.9	38	8.3	<0.2	0.40	586	619	<2	1.17	<1
105J_1989_1192	0	4.3	5	90	109	0.16	22.3	37	11.1	<0.2	0.60	433	497	11	10.56	11
105J_1989_1193	0	3.7	6	93	100	0.19	28.1	40	8.0	<0.2	0.59	585	678	7	6.93	7
105J_1989_1194	0	2.8	7	84	88	0.11	24.3	46	12.7	<0.2	0.26	638	799	6	7.02	5
105J_1989_1195	0	1.9	7	180	250	0.14	8.5	33	5.2	<0.2	0.38	222	290	6	7.15	8
105J_1989_1196	0	2.8	5	139	153	0.13	15.2	33	8.0	<0.2	0.40	364	401	4	4.72	5
105J_1989_1197	0	3.1	3	192	212	0.07	10.5	34	21.2	<0.2	0.26	70	69	<2	1.35	<1
105J_1989_1198	0	2.5	5	93	80	0.10	11.0	27	9.6	<0.2	0.43	260	265	4	1.75	2
105J_1989_1199	0	2.2	6	112	115	0.09	10.1	27	14.2	<0.2	0.33	1037	879	5	4.25	4
105J_1989_1200	0	2.4	5	93	94	0.08	11.7	26	12.4	<0.2	0.39	441	360	<2	1.24	<1
105J_1989_1202	1	2.6	6	137	129	0.10	14.6	41	11.0	<0.2	0.43	368	319	<2	1.54	3
105J_1989_1204	2	2.6	6	129	128	0.10	15.2	37	11.4	<0.2	0.44	381	328	<2	1.65	4
105J_1989_1205	0	2.2	6	133	128	0.10	12.8	34	11.4	<0.2	0.37	563	473	2	2.61	5
105J_1989_1206	0	2.2	6	87	67	0.09	12.6	38	9.4	<0.2	0.39	1710	1758	<2	1.45	4
105J_1989_1207	0	3.2	5	68	64	0.10	16.2	38	6.5	<0.2	0.49	370	375	<2	1.21	3
105J_1989_1208	0	4.4	4	99	101	0.11	16.5	35	16.5	<0.2	0.50	607	557	7	6.58	10
105J_1989_1209	0	3.1	4	145	142	0.13	14.1	32	17.1	<0.2	0.61	160	136	<2	1.32	4
105J_1989_1210	0	3.8	2	684	725	0.14	44.3	48	43.9	<0.2	0.53	178	162	7	8.59	9
105J_1989_1211	0	1.4	1	141	137	0.04	4.4	7	63.9	<0.2	0.19	1116	850	<2	1.42	4
105J_1989_1212	0	1.7	2	1064	1083	0.05	19.5	26	32.7	<0.2	0.23	49	23	<2	0.84	3
105J_1989_1213	0	3.1	4	209	207	0.14	19.1	33	17.8	<0.2	0.86	635	576	<2	1.38	3
105J_1989_1214	0	3.1	4	262	274	0.15	20.5	35	13.2	<0.2	0.70	1566	1671	2	3.97	7
105J_1989_1215	0	4.9	5	156	137	0.16	18.1	42	11.7	<0.2	0.99	405	387	<2	1.36	3
105J_1989_1216	0	4.3	6	179	179	0.18	18.9	44	9.5	<0.2	0.75	300	326	<2	1.53	3
105J_1989_1217	0	10.5	5	49	43	0.54	19.0	47	10.4	<0.2	2.07	378	394	<2	1.02	4
105J_1989_1218	0	5.4	4	87	78	0.12	15.0	36	17.4	<0.2	0.76	206	233	<2	0.92	3
105J_1989_1219	0	3.5	4	217	204	0.15	21.6	41	8.7	<0.2	0.93	346	359	<2	1.92	4
105J_1989_1220	0	4.0	5	110	100	0.16	20.5	39	9.5	<0.2	0.81	336	344	<2	1.27	3

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1185	0	0.004	0.05	53	51.9	0.179	6	2.68	9	2.54	0.3	0.85	0.9	0.7	2.0	3.4
105J_1989_1186	0	0.006	0.55	21	25.9	0.110	14	13.21	120	0.05	0.5	0.57	1.4	2.4	12.0	1.3
105J_1989_1188	0	0.006	0.38	27	31.2	0.241	15	12.83	120	0.07	1.0	1.21	2.1	3.8	10.0	1.7
105J_1989_1189	0	0.012	0.79	41	44.0	0.125	12	13.54	110	0.04	2.1	2.22	3.8	3.3	10.0	18.8
105J_1989_1190	0	0.006	0.61	21	23.4	0.159	12	11.78	98	0.06	0.4	0.76	1.2	3.9	10.0	1.1
105J_1989_1191	0	0.009	0.77	18	19.7	0.096	11	12.29	100	0.04	0.6	0.94	2.0	2.5	10.0	1.0
105J_1989_1192	0	0.012	0.38	53	56.3	0.239	14	16.98	110	0.08	2.7	3.69	6.6	3.2	10.0	3.4
105J_1989_1193	0	0.009	0.39	114	116.4	0.171	18	17.63	120	0.09	3.0	4.72	8.0	3.1	11.0	4.7
105J_1989_1194	0	0.006	0.31	168	188.2	0.114	26	34.82	170	0.10	3.6	4.66	10.0	5.2	14.0	3.4
105J_1989_1195	0	0.002	0.12	61	65.3	0.173	17	16.34	110	0.09	2.7	3.26	5.5	3.5	11.0	5.7
105J_1989_1196	0	0.005	0.40	50	49.5	0.166	28	24.32	110	0.05	2.5	3.01	5.4	3.0	10.0	2.2
105J_1989_1197	0	0.007	0.58	19	21.3	0.088	20	16.34	110	0.15	0.5	0.91	1.9	2.6	11.0	5.5
105J_1989_1198	0	0.007	0.50	28	28.1	0.132	15	12.09	88	0.06	1.7	1.58	2.8	2.2	7.9	2.1
105J_1989_1199	0	0.007	0.52	59	57.1	0.210	14	11.24	87	0.06	1.5	2.67	4.0	1.6	7.5	1.6
105J_1989_1200	0	0.007	0.48	20	21.7	0.119	12	9.87	86	0.07	0.3	0.79	1.4	2.0	7.1	1.5
105J_1989_1202	1	0.005	0.60	34	30.3	0.121	14	13.66	100	0.03	1.5	1.19	2.4	2.9	10.0	1.2
105J_1989_1204	2	0.006	0.54	36	30.8	0.122	13	13.80	96	0.02	1.7	1.24	2.1	2.8	9.2	1.4
105J_1989_1205	0	0.008	0.54	34	28.6	0.152	10	11.77	78	0.06	2.1	1.61	2.8	2.4	8.5	2.2
105J_1989_1206	0	0.006	0.58	26	23.4	0.168	7	8.68	77	0.04	1.0	0.84	1.4	1.8	7.5	1.0
105J_1989_1207	0	0.011	0.76	32	27.9	0.112	10	12.10	85	0.02	1.8	1.20	2.1	2.7	9.3	1.0
105J_1989_1208	0	0.014	0.65	72	64.4	0.126	14	17.88	89	0.09	8.0	3.78	6.2	3.1	10.0	6.8
105J_1989_1209	0	0.014	0.49	25	22.3	0.132	10	10.32	78	0.31	0.8	0.76	1.1	2.8	8.0	2.0
105J_1989_1210	0	0.006	0.24	41	36.4	0.253	7	11.36	55	0.40	2.3	3.18	4.1	6.7	14.0	5.1
105J_1989_1211	0	0.013	0.25	8	6.9	0.114	3	3.50	<5	0.51	0.9	1.01	0.8	1.1	1.8	7.4
105J_1989_1212	0	0.027	1.20	24	19.5	0.103	3	4.74	39	0.15	0.5	0.64	0.8	2.0	6.0	5.1
105J_1989_1213	0	0.007	0.49	30	25.2	0.128	6	9.22	89	0.08	0.9	0.78	1.3	3.4	7.9	1.6
105J_1989_1214	0	0.007	0.49	41	36.0	0.182	8	10.47	91	0.08	2.2	1.70	2.8	3.3	8.8	2.0
105J_1989_1215	0	0.051	0.57	32	26.1	0.149	23	26.95	82	0.06	2.1	1.01	1.7	3.6	9.4	2.1
105J_1989_1216	0	0.034	0.61	33	31.1	0.159	8	12.19	83	0.06	1.0	0.90	1.5	3.4	10.0	1.5
105J_1989_1217	0	0.176	0.71	34	31.1	0.149	25	29.80	85	0.09	1.0	0.68	1.4	5.7	10.0	1.0
105J_1989_1218	0	0.041	0.78	25	25.4	0.126	30	29.11	57	0.14	1.4	1.53	2.1	3.6	10.0	2.0
105J_1989_1219	0	0.006	0.50	32	30.0	0.197	10	11.35	100	0.09	1.1	1.04	1.6	3.3	10.0	1.2
105J_1989_1220	0	0.023	0.59	30	27.0	0.153	16	18.11	82	0.09	1.3	1.28	1.8	3.4	9.0	1.2

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1185	0	0.5	4	50.1	<0.5	<0.5	<0.02	0.6	1.5	0.002	0.06	15.0	14.0	15.2	18	10
105J_1989_1186	0	6.7	3	46.7	1.4	1.1	0.02	4.6	14.0	0.002	0.10	2.4	6.2	6.0	22	18
105J_1989_1188	0	6.5	3	68.4	1.2	0.9	0.03	4.9	13.0	0.004	0.16	1.3	5.8	5.0	34	36
105J_1989_1189	0	5.7	2	54.5	1.1	0.9	0.04	4.4	12.0	0.023	0.25	2.6	5.1	5.0	111	118
105J_1989_1190	0	6.7	6	86.5	1.4	0.9	<0.02	4.5	13.0	0.005	0.08	0.8	4.2	4.0	30	21
105J_1989_1191	0	6.7	3	38.7	1.5	0.9	0.04	3.2	13.0	0.016	0.11	2.7	6.1	5.6	35	28
105J_1989_1192	0	6.2	3	70.3	1.2	1.0	0.08	5.9	12.0	0.034	0.46	7.7	12.0	11.7	132	156
105J_1989_1193	0	6.8	2	65.9	1.4	1.0	0.06	5.4	14.0	0.016	0.44	6.4	11.0	9.6	116	144
105J_1989_1194	0	11.2	1	53.0	1.5	1.7	0.04	7.4	20.2	0.002	0.29	8.2	13.0	12.4	31	21
105J_1989_1195	0	5.9	3	73.9	1.3	1.0	0.09	2.9	11.0	0.002	0.27	4.3	8.6	8.3	57	70
105J_1989_1196	0	5.8	4	62.7	1.4	0.8	0.05	3.5	11.0	0.005	0.23	2.5	6.1	6.2	55	66
105J_1989_1197	0	5.1	2	47.1	1.2	0.7	0.03	3.3	11.0	0.003	0.22	2.1	4.8	5.1	29	35
105J_1989_1198	0	4.8	3	51.1	0.9	0.7	0.03	2.8	10.0	0.010	0.19	3.9	7.1	6.9	53	60
105J_1989_1199	0	4.8	4	47.8	0.8	0.6	0.02	2.1	8.5	0.008	0.15	2.2	5.3	4.7	34	39
105J_1989_1200	0	4.3	2	45.6	0.9	0.5	0.04	3.0	8.7	0.003	0.11	2.0	4.3	4.7	30	31
105J_1989_1202	1	6.0	4	42.5	1.0	1.0	0.03	4.8	12.0	0.004	0.11	2.1	5.2	4.9	39	36
105J_1989_1204	2	5.4	5	43.8	1.2	1.0	0.04	5.0	11.0	0.003	0.11	2.1	4.6	4.9	39	36
105J_1989_1205	0	5.0	8	55.5	1.0	0.7	0.05	3.0	9.0	0.004	0.15	2.5	5.1	5.1	47	45
105J_1989_1206	0	5.6	5	64.1	1.3	0.6	0.02	3.2	9.0	0.005	0.09	1.9	4.3	4.3	29	29
105J_1989_1207	0	5.6	8	52.9	1.0	0.7	0.03	4.8	10.0	0.017	0.15	1.4	3.7	3.8	44	41
105J_1989_1208	0	5.3	10	76.4	0.9	0.8	0.09	3.4	10.0	0.017	0.24	5.9	7.5	8.2	147	139
105J_1989_1209	0	4.3	8	53.7	1.0	0.8	0.03	3.4	8.4	0.009	0.13	2.4	4.4	5.1	43	32
105J_1989_1210	0	10.7	8	61.9	<0.5	1.8	0.05	2.8	8.9	0.003	0.26	11.1	11.0	13.3	75	80
105J_1989_1211	0	1.0	7	81.2	<0.5	<0.5	<0.02	0.5	1.8	0.012	0.12	3.9	3.4	4.3	17	15
105J_1989_1212	0	4.3	5	44.1	1.1	0.9	<0.02	0.3	5.3	0.008	0.12	6.4	7.1	8.9	14	11
105J_1989_1213	0	5.0	8	60.1	0.8	0.9	0.02	3.6	10.0	0.005	0.13	1.3	4.2	4.3	35	32
105J_1989_1214	0	4.9	9	70.7	0.9	0.6	0.04	4.2	8.9	0.004	0.22	2.6	5.7	5.5	65	59
105J_1989_1215	0	5.8	6	91.3	1.2	1.0	0.03	4.5	10.0	0.038	0.15	1.9	4.3	4.5	54	43
105J_1989_1216	0	6.1	6	71.9	1.2	0.8	0.02	3.0	10.0	0.023	0.16	1.4	4.3	4.3	46	41
105J_1989_1217	0	6.1	7	241.3	0.7	0.9	0.04	6.4	12.0	0.108	0.26	1.3	3.6	3.8	72	66
105J_1989_1218	0	5.2	7	108.6	1.2	0.8	0.02	2.6	8.0	0.051	0.12	1.3	3.3	3.6	51	44
105J_1989_1219	0	5.5	6	70.9	1.1	0.8	0.05	5.0	10.0	0.005	0.12	1.4	4.7	4.7	40	38
105J_1989_1220	0	5.9	7	79.4	1.1	0.8	0.02	4.9	10.0	0.025	0.13	1.3	3.9	3.9	43	38

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1185	0	<0.1	1	15.55	<2	254	252.5
105J_1989_1186	0	<0.1	1	30.62	2	130	137.3
105J_1989_1188	0	<0.1	<1	31.61	2	148	154.9
105J_1989_1189	0	0.3	2	29.32	<2	276	313.0
105J_1989_1190	0	<0.1	1	30.04	<2	103	106.5
105J_1989_1191	0	1.6	1	32.37	2	93	94.9
105J_1989_1192	0	0.8	2	32.30	3	470	481.1
105J_1989_1193	0	0.3	2	29.78	3	1520	1748.6
105J_1989_1194	0	<0.1	<1	32.33	3	670	668.8
105J_1989_1195	0	<0.1	2	43.47	3	376	438.1
105J_1989_1196	0	<0.1	2	39.01	3	334	374.1
105J_1989_1197	0	<0.1	1	23.80	<2	131	131.1
105J_1989_1198	0	0.7	1	34.44	<2	158	151.4
105J_1989_1199	0	0.3	<1	34.65	2	1305	1297.3
105J_1989_1200	0	<0.1	<1	14.95	<2	109	119.7
105J_1989_1202	1	<0.1	1	34.77	2	152	128.8
105J_1989_1204	2	<0.1	2	16.15	3	152	138.1
105J_1989_1205	0	<0.1	1	35.76	2	200	169.1
105J_1989_1206	0	<0.1	1	37.19	<2	158	141.2
105J_1989_1207	0	0.1	1	39.68	3	158	141.8
105J_1989_1208	0	0.3	2	25.21	4	674	537.9
105J_1989_1209	0	<0.1	<1	19.93	3	136	132.4
105J_1989_1210	0	0.1	<1	17.65	4	202	161.6
105J_1989_1211	0	0.1	<1	12.03	<2	135	121.0
105J_1989_1212	0	<0.1	<1	17.28	<2	46	35.0
105J_1989_1213	0	<0.1	1	25.25	2	156	139.5
105J_1989_1214	0	<0.1	1	28.86	<2	233	204.7
105J_1989_1215	0	0.1	2	33.61	3	167	141.8
105J_1989_1216	0	<0.1	1	36.35	3	145	138.4
105J_1989_1217	0	0.2	1	30.93	3	197	171.5
105J_1989_1218	0	0.2	2	27.89	2	191	175.1
105J_1989_1219	0	<0.1	1	40.80	3	151	137.6
105J_1989_1220	0	0.1	1	33.35	2	156	149.1

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1222	0	<0.2	147	1.24	18	25.1	26.0	6			1	291.5	2000	0.34	1.6	0.74
105J_1989_1223	0	<0.2	283	1.55	36	46.1	43.0	8			4	261.6	1600	0.78	10.0	1.55
105J_1989_1224	0	<0.2	326	1.05	9	13.1	14.0	6			2	470.3	2500	0.24	3.9	0.67
105J_1989_1225	0	0.2	212	0.77	5	8.1	8.3	9			2	223.2	1200	0.10	15.0	1.04
105J_1989_1226	0	0.2	228	0.74	<1	0.7	1.9	<2			3	209.9	820	0.08	18.0	1.65
105J_1989_1227	0	0.2	506	2.81	80	103.2	109.0	3			3	355.6	2000	1.65	7.5	1.18
105J_1989_1228	0	<0.2	452	1.42	14	21.1	21.0	4			3	441.3	2500	0.41	4.1	0.68
105J_1989_1229	0	0.4	293	1.72	12	16.8	17.0	5			4	338.5	1400	1.13	8.0	1.63
105J_1989_1230	0	<0.2	169	1.09	6	9.7	10.0	25	7	36.39	3	384.9	2300	0.32	0.9	0.79
105J_1989_1231	0	<0.2	278	1.26	7	10.0	10.0	10			3	279.6	1700	0.23	2.5	0.98
105J_1989_1232	0	<0.2	202	0.94	6	8.5	9.0	4			3	346.7	1500	0.13	8.0	1.12
105J_1989_1233	0	0.2	196	0.86	7	9.1	10.0	6			2	479.2	2100	0.16	1.3	0.92
105J_1989_1234	0	0.7	811	1.21	14	17.8	18.0	12			4	839.9	4400	0.39	3.2	0.52
105J_1989_1235	1	0.6	645	1.03	14	18.4	18.0	12			2	529.1	3000	0.25	2.0	0.44
105J_1989_1236	2	0.5	594	1.06	14	17.6	21.0	9			3	497.7	3500	0.22	1.8	0.41
105J_1989_1237	0	0.7	696	0.86	18	23.5	25.0	13			6	1250.2	6660	0.18	4.4	0.72
105J_1989_1238	0	0.4	783	0.89	36	45.8	48.0	18	17	35.22	4	876.3	6100	0.22	3.0	0.57
105J_1989_1239	0	0.6	801	1.14	24	31.4	33.0	13			5	1135.1	6050	0.22	4.1	0.79
105J_1989_1242	0	0.4	863	1.02	16	21.4	22.0	13			7	926.0	4700	0.18	2.9	0.71
105J_1989_1243	1	1.1	1202	0.84	28	40.0	38.0	11			5	1028.0	6010	0.21	3.2	0.97
105J_1989_1244	2	0.7	1137	0.82	32	42.3	42.0	9			5	1028.5	6400	0.20	3.3	0.90
105J_1989_1245	0	2.7	3448	1.61	22	28.5	26.0	28	30	18.24	2	1788.3	6020	0.26	8.0	0.64
105J_1989_1246	0	1.3	1135	1.09	34	48.1	45.0	11			3	1011.6	4900	0.26	5.9	0.57
105J_1989_1247	0	0.5	1008	0.97	22	29.4	33.0	22	18	26.87	4	855.3	7180	0.20	4.4	0.93
105J_1989_1248	0	0.7	918	0.92	14	15.8	18.0	9			6	1085.0	10400	0.17	2.0	1.22
105J_1989_1250	0	1.1	895	1.03	20	31.0	30.0	9			4	1222.4	8100	0.21	2.2	1.11
105J_1989_1251	0	0.8	733	0.87	16	21.1	22.0	7			5	1368.0	7980	0.19	1.6	1.36
105J_1989_1252	0	0.6	771	1.05	14	17.9	18.0	10			4	1438.7	7020	0.18	4.0	0.94
105J_1989_1253	0	0.3	425	1.20	20	24.6	25.0	7			4	408.4	4200	0.61	2.8	0.57
105J_1989_1254	0	0.4	414	2.08	43	59.3	54.7	4			4	366.4	2900	0.65	7.8	0.60
105J_1989_1255	0	<0.2	220	1.01	90	121.4	116.0	<2			2	225.6	1300	0.29	13.0	1.13
105J_1989_1256	0	0.4	593	3.35	65	87.6	80.3	5			2	919.1	5290	4.27	22.0	0.47
105J_1989_1257	0	0.5	576	0.87	16	22.0	17.0	<2			6	313.3	1100	0.16	14.0	1.09

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1222	0	0.7	0.64	67	10	8.5	11	16.9	75	4.0	30	27.56	<1	554	2.04	1.96	2.5
105J_1989_1223	0	2.5	1.99	42	12	11.4	10	18.6	48	5.1	66	54.96	<1	548	3.13	2.82	3.0
105J_1989_1224	0	0.8	0.70	53	10	8.6	12	14.1	74	4.8	30	26.89	<1	564	2.30	1.95	2.3
105J_1989_1225	0	2.3	1.90	32	10	7.4	7	10.1	44	2.1	34	29.16	<1	401	1.86	1.54	2.0
105J_1989_1226	0	2.8	2.00	31	3	1.5	<5	6.6	34	2.0	46	37.19	<1	259	0.54	0.38	0.8
105J_1989_1227	0	4.4	3.80	54	39	35.0	36	27.0	58	5.3	53	46.46	<1	605	3.90	4.03	4.5
105J_1989_1228	0	3.2	2.66	61	18	14.6	17	21.1	77	5.8	54	44.63	<1	484	2.88	2.66	3.0
105J_1989_1229	0	1.6	1.30	51	8	7.2	7	21.4	41	3.9	43	35.79	1	579	2.01	1.69	2.4
105J_1989_1230	0	0.9	0.86	74	9	8.5	10	15.8	68	3.5	40	34.15	<1	691	2.39	2.07	2.6
105J_1989_1231	0	0.9	0.92	62	10	9.6	10	19.5	60	4.2	53	47.28	<1	765	2.29	2.14	2.5
105J_1989_1232	0	0.4	0.40	65	10	8.4	8	12.0	41	3.3	30	25.42	<1	630	2.56	2.20	2.7
105J_1989_1233	0	0.9	0.87	68	9	8.6	10	13.3	62	3.4	38	34.37	<1	720	1.91	1.95	2.5
105J_1989_1234	0	3.7	3.42	43	6	5.0	<5	21.6	96	5.3	72	65.19	<1	807	2.16	1.99	2.1
105J_1989_1235	1	3.8	2.98	50	10	8.4	10	17.7	75	4.6	96	76.79	<1	672	2.47	2.40	2.5
105J_1989_1236	2	2.8	2.32	39	9	8.4	11	18.5	72	5.1	84	70.16	<1	677	2.61	2.36	2.6
105J_1989_1237	0	4.6	3.66	55	10	10.2	12	18.2	90	5.1	96	81.80	1	775	2.82	2.85	3.3
105J_1989_1238	0	5.4	5.04	64	15	16.7	18	19.6	97	5.4	122	114.27	<1	807	3.43	3.95	4.5
105J_1989_1239	0	12.5	11.36	53	16	18.8	17	20.1	99	5.0	120	105.97	<1	816	3.13	3.26	3.6
105J_1989_1242	0	5.2	4.68	46	9	10.0	13	24.1	100	4.9	92	86.62	<1	790	2.39	2.32	2.7
105J_1989_1243	1	9.9	9.38	42	12	12.1	13	21.8	96	4.6	97	94.22	<1	730	2.57	2.73	2.8
105J_1989_1244	2	9.2	8.66	55	11	11.8	13	21.6	110	5.1	100	94.34	<1	830	2.62	2.62	2.8
105J_1989_1245	0	8.2	7.42	31	9	10.4	8	19.2	120	9.2	180	156.08	<1	727	3.35	3.08	3.1
105J_1989_1246	0	7.7	6.66	45	11	13.1	10	17.8	86	6.2	95	86.17	<1	613	2.97	2.89	2.9
105J_1989_1247	0	6.5	6.06	56	7	9.8	10	15.1	100	6.7	147	144.26	<1	1034	2.49	2.66	3.0
105J_1989_1248	0	7.2	6.54	62	4	5.5	7	22.6	98	5.3	102	97.13	<1	1061	1.91	1.95	2.2
105J_1989_1250	0	6.7	6.67	67	11	13.1	11	20.1	74	5.1	87	87.39	<1	1045	2.49	2.68	2.9
105J_1989_1251	0	8.7	8.13	73	8	9.2	10	19.0	100	4.2	82	75.38	<1	1054	2.16	2.01	2.2
105J_1989_1252	0	10.1	9.55	63	9	9.4	7	19.1	100	4.9	57	52.72	<1	880	2.34	2.23	2.6
105J_1989_1253	0	3.0	2.38	79	8	8.7	8	20.5	95	6.5	72	60.86	<1	655	2.23	2.14	2.6
105J_1989_1254	0	9.5	8.85	65	38	44.9	44	26.3	58	12.0	53	47.21	<1	700	3.20	3.32	3.9
105J_1989_1255	0	2.7	2.73	46	8	7.1	6	14.2	34	6.0	25	23.56	<1	375	4.56	4.19	4.8
105J_1989_1256	0	13.4	13.16	63	65	67.8	65	35.1	88	12.0	331	304.04	<1	729	3.56	3.78	4.3
105J_1989_1257	0	12.0	10.43	19	5	3.6	<5	14.7	21	2.8	76	66.14	<1	262	1.04	0.82	0.8

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1222	0	3.5	4	72	70	0.15	15.1	38	5.7	<0.2	0.61	239	259	<2	1.22	3
105J_1989_1223	0	4.5	4	95	88	0.13	12.9	29	19.3	<0.2	0.64	1242	1149	2	2.20	3
105J_1989_1224	0	3.0	4	129	119	0.10	13.7	33	14.9	<0.2	0.45	592	481	<2	1.55	4
105J_1989_1225	0	1.8	3	156	154	0.09	5.9	20	40.4	<0.2	0.31	247	198	<2	1.46	4
105J_1989_1226	0	1.6	2	148	134	0.06	4.5	14	53.8	<0.2	0.16	104	79	<2	0.57	4
105J_1989_1227	0	6.2	4	61	60	0.28	17.0	43	10.7	<0.2	1.06	990	1078	4	2.01	3
105J_1989_1228	0	3.7	3	87	85	0.17	15.8	34	15.6	<0.2	0.79	260	248	2	2.60	5
105J_1989_1229	0	4.6	4	72	61	0.18	12.0	31	23.5	<0.2	0.83	210	198	<2	1.22	4
105J_1989_1230	0	3.0	5	114	106	0.13	16.4	41	4.8	<0.2	0.65	131	140	<2	1.05	3
105J_1989_1231	0	3.5	5	164	177	0.18	15.4	36	11.8	<0.2	0.66	401	391	<2	1.19	3
105J_1989_1232	0	2.5	5	114	85	0.10	11.2	31	17.8	<0.2	0.47	713	573	<2	0.98	3
105J_1989_1233	0	2.2	6	137	103	0.11	13.8	41	7.1	<0.2	0.48	403	411	<2	2.04	4
105J_1989_1234	0	3.2	3	285	280	0.17	16.5	30	11.4	<0.2	0.52	99	105	4	4.70	5
105J_1989_1235	1	2.8	3	346	378	0.14	11.8	27	8.4	<0.2	0.39	369	395	2	3.84	5
105J_1989_1236	2	3.0	3	316	345	0.14	11.1	30	7.2	<0.2	0.39	429	448	2	3.42	5
105J_1989_1237	0	2.2	4	380	408	0.14	13.7	35	8.6	<0.2	0.30	624	664	4	5.31	8
105J_1989_1238	0	2.3	4	365	378	0.15	10.5	35	7.7	<0.2	0.26	896	1051	5	6.92	10
105J_1989_1239	0	3.0	4	304	303	0.21	19.7	37	8.5	<0.2	0.48	2106	2454	10	11.01	13
105J_1989_1242	0	2.9	3	396	423	0.19	13.7	30	9.2	<0.2	0.32	312	339	8	8.85	11
105J_1989_1243	1	2.3	3	529	601	0.15	13.2	31	9.4	<0.2	0.38	1026	1107	13	14.31	16
105J_1989_1244	2	2.2	4	487	531	0.15	12.9	33	8.6	<0.2	0.35	1098	1244	13	14.19	16
105J_1989_1245	0	3.1	1	1520	1566	0.16	12.1	20	25.2	<0.2	0.38	376	318	7	7.67	8
105J_1989_1246	0	2.6	3	350	361	0.13	17.0	31	9.9	<0.2	0.33	1692	1989	12	12.47	12
105J_1989_1247	0	2.3	4	350	365	0.12	17.6	37	7.6	<0.2	0.36	268	338	9	9.26	13
105J_1989_1248	0	2.4	3	293	319	0.19	19.3	42	7.2	<0.2	0.49	72	91	8	8.30	11
105J_1989_1250	0	2.8	4	228	227	0.19	21.6	52	5.7	<0.2	0.65	509	583	11	12.74	13
105J_1989_1251	0	2.3	4	190	186	0.19	19.8	46	5.4	<0.2	0.59	253	287	10	10.65	13
105J_1989_1252	0	2.6	4	232	244	0.17	20.1	44	10.4	<0.2	0.44	258	309	5	5.22	6
105J_1989_1253	0	3.1	4	129	117	0.13	15.4	47	6.9	<0.2	0.57	154	184	5	4.78	7
105J_1989_1254	0	5.0	3	61	50	0.19	13.7	36	13.5	<0.2	0.93	1350	1604	4	3.61	6
105J_1989_1255	0	2.7	3	72	63	0.10	6.3	20	30.3	<0.2	0.49	599	528	<2	1.55	3
105J_1989_1256	0	6.1	2	53	50	0.33	15.0	37	15.3	<0.2	0.83	799	987	10	8.99	11
105J_1989_1257	0	2.3	2	129	116	0.18	30.6	30	35.6	<0.2	0.39	272	217	2	2.26	5

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1222	0	0.028	0.65	26	22.7	0.146	11	10.74	67	0.07	1.8	1.52	2.5	2.6	8.4	0.6
105J_1989_1223	0	0.035	0.58	36	30.4	0.120	21	20.23	60	0.12	1.8	1.48	2.1	3.0	7.3	1.5
105J_1989_1224	0	0.013	0.64	22	18.6	0.121	12	12.49	91	0.09	1.8	1.73	2.9	2.3	7.4	1.5
105J_1989_1225	0	0.012	0.46	39	33.1	0.133	6	6.59	62	0.74	0.4	1.00	1.2	1.5	5.3	1.7
105J_1989_1226	0	0.010	0.60	13	9.6	0.190	4	4.96	47	0.38	0.4	0.82	1.0	0.7	5.0	2.1
105J_1989_1227	0	0.099	0.62	118	109.1	0.114	52	59.34	75	0.08	3.5	2.82	4.3	3.8	9.4	1.7
105J_1989_1228	0	0.016	0.55	57	48.6	0.103	28	26.88	89	0.30	4.0	5.05	6.8	3.4	9.2	2.3
105J_1989_1229	0	0.050	0.60	25	20.8	0.110	57	57.61	65	0.16	1.5	1.75	2.5	3.2	7.4	1.6
105J_1989_1230	0	0.013	0.48	29	25.2	0.185	14	11.70	88	0.08	2.2	1.71	3.3	2.6	8.2	0.9
105J_1989_1231	0	0.019	0.43	32	27.8	0.141	10	10.74	79	0.09	2.1	2.02	2.8	3.7	9.0	1.1
105J_1989_1232	0	0.013	0.68	25	21.9	0.125	11	10.12	77	0.10	1.1	1.02	1.4	2.2	6.9	1.8
105J_1989_1233	0	0.005	0.49	29	25.7	0.181	11	11.51	69	0.08	1.0	1.28	2.0	2.6	8.0	1.1
105J_1989_1234	0	0.008	0.32	55	49.2	0.247	16	16.84	82	0.09	3.9	3.95	5.3	2.4	8.6	5.7
105J_1989_1235	1	0.005	0.23	57	48.9	0.164	10	13.44	89	0.09	3.0	2.60	3.8	3.3	8.0	2.7
105J_1989_1236	2	0.004	0.23	54	45.5	0.152	11	12.84	98	0.04	3.0	2.30	4.2	3.2	7.8	2.4
105J_1989_1237	0	0.004	0.22	74	59.9	0.260	15	14.62	84	0.12	4.0	3.41	5.2	3.6	8.6	3.7
105J_1989_1238	0	0.003	0.22	88	76.9	0.233	13	14.97	82	0.13	7.0	4.22	6.3	4.5	10.0	4.1
105J_1989_1239	0	0.006	0.29	177	161.0	0.281	16	17.33	86	0.11	9.0	5.79	8.1	3.1	8.9	3.1
105J_1989_1242	0	0.006	0.28	75	65.2	0.290	11	13.10	89	0.11	6.0	4.82	6.7	3.5	8.7	4.2
105J_1989_1243	1	0.004	0.23	110	104.7	0.284	14	15.03	89	0.14	11.0	8.60	11.3	3.3	8.4	4.9
105J_1989_1244	2	0.005	0.24	103	93.9	0.277	11	14.38	74	0.16	11.0	8.17	10.9	3.6	8.2	4.8
105J_1989_1245	0	0.007	0.38	120	103.5	0.207	16	15.16	110	0.15	8.0	5.83	7.5	4.6	13.0	7.9
105J_1989_1246	0	0.007	0.39	148	136.2	0.279	19	19.36	93	0.12	11.0	7.92	10.6	2.4	7.7	2.6
105J_1989_1247	0	0.004	0.36	139	128.5	0.344	13	15.35	99	0.09	9.0	6.82	10.0	2.3	8.7	3.8
105J_1989_1248	0	0.006	0.20	101	93.2	0.392	13	13.03	87	0.15	7.0	6.12	8.2	3.0	8.0	6.2
105J_1989_1250	0	0.005	0.26	78	80.6	0.374	27	35.37	89	0.11	10.0	7.97	10.0	3.2	8.6	5.0
105J_1989_1251	0	0.004	0.18	96	92.9	0.379	13	14.12	80	0.11	8.0	6.83	8.4	2.8	7.3	4.8
105J_1989_1252	0	0.005	0.27	86	81.7	0.258	11	11.57	89	0.08	3.2	3.12	4.4	2.7	8.6	2.7
105J_1989_1253	0	0.011	0.36	63	51.4	0.204	12	13.07	76	0.07	3.4	2.63	4.0	2.4	9.2	1.9
105J_1989_1254	0	0.013	0.45	114	105.1	0.175	13	14.99	68	0.06	3.1	1.99	3.0	2.5	8.9	1.5
105J_1989_1255	0	0.014	0.65	21	18.9	0.171	3	6.14	30	0.21	2.2	1.09	1.3	1.1	5.9	3.5
105J_1989_1256	0	0.013	0.35	190	171.0	0.205	5	6.53	69	0.15	4.0	2.48	3.5	3.3	8.0	4.1
105J_1989_1257	0	0.022	0.29	142	122.5	0.260	3	5.66	30	0.19	2.0	2.59	2.6	0.9	3.0	17.4

Unique ID	Rep Stat	Sm INAA ppm 0.1	Sn AAS ppm 1	Sr ICP-MS ppm 0.5	Ta INAA ppm 0.5	Tb INAA ppm 0.5	Te ICP-MS ppm 0.02	Th ICP-MS ppm 0.1	Th INAA ppm 0.2	Ti ICP-MS % 0.001	Tl ICP-MS ppm 0.02	U ICP-MS ppm 0.1	U INAA ppm 0.2	U NADNC ppm 0.5	V AAS ppm 5	V ICP-MS ppm 2
105J_1989_1222	0	5.9	2	82.3	1.4	0.8	0.03	3.7	8.5	0.027	0.11	1.3	4.1	4.1	41	40
105J_1989_1223	0	4.7	6	131.4	1.1	<0.5	0.05	2.8	8.0	0.032	0.17	1.5	3.6	4.1	51	41
105J_1989_1224	0	5.1	5	63.8	1.4	0.6	0.04	3.1	10.0	0.007	0.12	1.9	4.9	4.8	41	35
105J_1989_1225	0	2.8	3	61.6	0.6	0.6	<0.02	1.3	5.5	0.005	0.10	2.0	3.6	3.6	39	30
105J_1989_1226	0	1.8	5	74.0	<0.5	<0.5	<0.02	0.4	3.9	0.005	0.12	2.2	3.2	3.5	25	15
105J_1989_1227	0	7.7	6	125.7	<0.5	1.4	0.07	5.0	9.4	0.046	0.26	1.6	3.9	4.2	58	49
105J_1989_1228	0	5.1	5	68.2	0.9	0.8	0.04	4.7	8.6	0.016	0.22	2.0	4.4	4.6	58	51
105J_1989_1229	0	4.4	6	120.2	0.8	0.5	0.02	3.0	7.8	0.049	0.17	2.2	4.2	4.6	43	39
105J_1989_1230	0	6.3	4	65.6	1.1	0.8	0.03	4.6	10.0	0.014	0.12	1.1	4.2	3.7	40	37
105J_1989_1231	0	5.3	5	66.3	1.2	0.7	0.03	4.1	9.5	0.012	0.13	1.2	4.0	4.0	41	38
105J_1989_1232	0	4.4	4	72.8	0.8	<0.5	0.02	2.9	8.1	0.003	0.07	0.9	2.9	3.5	31	25
105J_1989_1233	0	6.3	4	64.1	0.9	0.8	0.03	4.2	10.0	0.003	0.09	1.5	4.5	4.4	39	35
105J_1989_1234	0	4.8	4	72.9	1.0	0.9	0.06	1.3	7.6	0.008	0.29	4.6	7.4	8.2	103	110
105J_1989_1235	1	5.2	3	62.0	0.8	0.9	0.06	2.9	7.4	0.005	0.23	3.1	6.3	5.9	72	78
105J_1989_1236	2	6.0	1	61.2	1.1	1.0	0.06	2.8	7.8	0.004	0.20	3.0	6.9	6.0	70	81
105J_1989_1237	0	6.0	3	100.8	0.9	0.8	0.07	2.5	7.5	0.004	0.24	4.8	8.5	7.9	99	103
105J_1989_1238	0	6.2	2	103.4	1.1	1.1	0.09	2.3	7.7	0.003	0.27	4.1	8.2	7.5	100	102
105J_1989_1239	0	5.9	3	121.1	0.7	0.9	0.09	2.8	7.9	0.006	0.34	3.7	7.2	7.1	89	95
105J_1989_1242	0	5.2	3	111.4	1.2	1.0	0.09	2.5	6.7	0.004	0.33	7.0	10.0	10.5	116	133
105J_1989_1243	1	5.7	3	127.0	0.7	1.0	0.09	2.3	6.6	0.004	0.43	6.9	10.0	10.4	146	160
105J_1989_1244	2	5.6	2	123.7	0.8	0.9	0.11	2.2	6.5	0.004	0.42	7.5	11.0	11.2	146	162
105J_1989_1245	0	3.3	1	93.5	0.8	<0.5	0.09	1.5	7.4	0.004	0.57	10.8	13.0	14.1	118	114
105J_1989_1246	0	5.5	2	125.8	0.9	0.9	0.10	1.2	7.9	0.005	0.34	5.4	8.5	8.8	96	93
105J_1989_1247	0	6.3	3	196.5	0.8	0.8	0.08	1.4	8.6	0.005	0.31	5.5	10.0	9.2	66	71
105J_1989_1248	0	6.4	4	183.9	1.0	0.9	0.09	3.2	7.9	0.007	0.43	7.3	11.0	10.0	142	162
105J_1989_1250	0	7.0	3	136.0	1.0	0.8	0.09	3.9	8.6	0.008	0.36	6.0	9.2	9.0	105	127
105J_1989_1251	0	6.4	2	145.9	0.9	0.8	0.09	3.6	8.1	0.008	0.34	4.1	7.1	7.1	119	145
105J_1989_1252	0	6.3	3	87.0	0.7	0.8	0.05	3.1	8.1	0.005	0.32	3.8	6.9	6.6	97	113
105J_1989_1253	0	6.9	2	55.2	1.2	1.2	0.04	2.5	8.2	0.015	0.19	4.4	7.7	7.3	69	59
105J_1989_1254	0	5.5	7	41.7	1.1	0.8	0.05	1.6	7.0	0.034	0.37	3.8	6.3	6.5	61	54
105J_1989_1255	0	3.1	4	44.6	0.7	<0.5	0.03	0.7	3.9	0.023	0.14	2.7	3.7	4.2	35	30
105J_1989_1256	0	6.2	5	51.2	0.6	1.2	0.08	3.0	6.4	0.069	0.40	9.3	11.0	11.6	95	86
105J_1989_1257	0	3.4	<1	73.3	<0.5	<0.5	<0.02	0.4	3.9	0.016	0.22	37.3	33.5	39.7	41	37

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1222	0	0.2	1	41.88	3	122	106.9
105J_1989_1223	0	0.8	1	24.03	2	204	166.5
105J_1989_1224	0	<0.1	1	29.27	2	128	117.5
105J_1989_1225	0	<0.1	<1	14.70	<2	217	191.5
105J_1989_1226	0	<0.1	<1	17.38	<2	71	53.4
105J_1989_1227	0	0.3	2	30.43	5	660	554.8
105J_1989_1228	0	0.1	1	25.20	3	318	275.7
105J_1989_1229	0	0.4	1	19.71	2	223	199.0
105J_1989_1230	0	2.8	2	42.16	3	129	114.6
105J_1989_1231	0	<0.1	<1	35.03	2	135	127.4
105J_1989_1232	0	<0.1	<1	26.96	<2	106	93.4
105J_1989_1233	0	<0.1	1	42.40	3	119	112.3
105J_1989_1234	0	0.6	2	28.49	3	418	422.6
105J_1989_1235	1	0.2	2	20.97	<2	339	314.7
105J_1989_1236	2	0.2	2	36.04	3	309	265.8
105J_1989_1237	0	0.1	1	36.23	3	432	410.3
105J_1989_1238	0	0.4	1	41.44	4	417	425.5
105J_1989_1239	0	0.3	2	36.19	3	1360	1209.0
105J_1989_1242	0	<0.1	1	36.40	3	539	510.4
105J_1989_1243	1	0.2	1	19.09	3	1130	1073.0
105J_1989_1244	2	0.8	2	35.49	3	1022	951.7
105J_1989_1245	0	0.2	<1	23.25	3	587	521.3
105J_1989_1246	0	0.2	2	28.61	3	906	753.3
105J_1989_1247	0	<0.1	1	34.63	3	1110	1068.1
105J_1989_1248	0	0.3	2	31.03	3	1130	1092.5
105J_1989_1250	0	0.6	3	38.41	2	941	851.9
105J_1989_1251	0	0.2	1	39.07	3	1320	1258.7
105J_1989_1252	0	0.3	2	32.08	3	1120	1031.5
105J_1989_1253	0	2.4	5	34.68	4	380	356.8
105J_1989_1254	0	1.0	3	25.21	3	992	888.1
105J_1989_1255	0	<0.1	<1	19.11	<2	161	145.0
105J_1989_1256	0	17.2	20	27.95	4	1300	1177.0
105J_1989_1257	0	1.0	1	11.97	<2	279	253.8

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1258	0	<0.2	619	1.10	14	17.5	17.0	11			3	580.7	4000	0.28	10.0	0.52
105J_1989_1259	0	0.4	610	1.10	20	25.7	26.0	12			5	1164.7	7310	0.67	4.1	0.86
105J_1989_1260	0	0.6	657	0.85	18	21.3	24.0	9			5	1193.4	7770	0.23	3.3	0.79
105J_1989_1262	0	0.8	753	1.11	24	34.5	37.0	13			3	1006.7	9080	0.29	2.3	0.99
105J_1989_1264	0	0.3	594	1.20	17	20.9	21.0	14	15	20.64	4	574.5	4300	0.27	3.1	0.61
105J_1989_1265	1	0.4	711	0.88	16	21.0	21.0	8			4	872.5	4600	0.20	1.8	0.53
105J_1989_1266	2	0.5	756	0.93	18	20.5	21.0	9			4	940.0	4700	0.21	2.0	0.55
105J_1989_1267	0	0.9	999	1.19	40	48.5	47.0	9			4	1554.1	5550	0.21	4.0	0.38
105J_1989_1268	0	1.5	1360	1.48	112	145.9	139.0	12			5	1438.9	5160	0.19	7.2	0.43
105J_1989_1269	0	0.5	570	0.89	20	29.9	30.0	9			7	1569.7	18000	0.17	2.0	0.86
105J_1989_1270	0	0.8	709	1.02	17	26.3	29.0	9			3	887.7	5740	0.36	2.9	0.63
105J_1989_1271	0	0.9	1106	0.94	11	17.8	17.0	12			5	1025.2	3000	0.20	4.4	0.46
105J_1989_1272	0	1.2	1474	0.92	18	24.3	25.0	14	15	4.64	4	538.8	1700	0.15	10.0	0.33
105J_1989_1273	0	1.9	1740	0.45	450	554.3	532.0	5			3	737.5	4700	0.12	24.0	0.08
105J_1989_1274	0	0.9	716	1.24	13	17.4	18.0	10			4	526.4	2800	0.24	6.2	0.40
105J_1989_1275	0	0.2	543	1.31	12	20.1	20.0	12			5	695.4	4600	0.30	1.8	0.72
105J_1989_1276	0	0.7	792	1.29	16	27.7	26.0	10			5	1136.3	4900	0.24	4.7	0.55
105J_1989_1277	0	0.7	748	0.71	12	18.7	19.0	9			9	1102.5	7930	0.17	2.1	0.91
105J_1989_1278	0	1.7	1898	0.69	32	40.5	37.0	12			6	1373.2	10100	0.25	2.8	1.63
105J_1989_1279	0	0.2	277	0.85	1	2.2	2.2	4			7	649.0	1400	0.04	25.0	2.99
105J_1989_1280	0	1.0	1021	0.70	15	22.0	23.0	8			5	1509.0	14200	0.21	3.8	0.84
105J_1989_1282	1	0.7	768	0.85	16	26.6	26.0	8			5	1805.1	13600	0.31	3.2	1.24
105J_1989_1283	2	0.5	774	0.94	16	25.8	27.0	5			5	1747.9	14200	0.30	3.3	1.45
105J_1989_1284	0	0.8	932	0.88	20	30.0	30.0	6			4	1807.1	9550	0.34	3.6	0.80
105J_1989_1285	0	0.9	833	0.82	14	20.9	20.0	7			5	1632.9	14000	0.20	2.8	0.90
105J_1989_1286	0	0.9	1046	0.85	36	47.5	44.0	12			4	1657.4	11200	0.22	6.1	0.65
105J_1989_1287	0	1.3	1382	1.05	10	14.0	16.0	15	17	27.15	6	1161.2	6950	0.22	5.5	1.14
105J_1989_1288	0	0.9	983	0.83	12	17.5	19.0	7			5	1245.7	10800	0.20	5.1	1.06
105J_1989_1289	0	1.0	1128	0.87	17	24.6	29.0	17	19	31.63	3	577.5	7240	0.27	4.3	0.59
105J_1989_1290	0	1.2	1480	0.73	20	31.2	37.0	10			3	876.1	6200	0.21	4.2	0.58
105J_1989_1291	0	0.9	1172	0.89	32	39.7	43.0	11			3	722.1	6940	0.27	6.5	0.59
105J_1989_1292	0	0.5	888	0.72	18	24.1	30.0	11			3	844.3	8090	0.19	2.7	0.57
105J_1989_1294	0	0.2	135	0.28	3	1.6	7.7	<2			1	161.4	1200	0.07	7.3	0.18

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1258	0	5.3	4.27	48	14	13.2	14	22.6	78	4.3	111	99.32	<1	553	3.50	3.25	3.3
105J_1989_1259	0	7.4	6.24	65	12	11.3	14	21.7	93	6.1	80	71.70	<1	853	2.79	2.63	3.0
105J_1989_1260	0	6.2	4.88	62	11	10.1	11	16.9	91	5.0	75	65.85	<1	720	2.53	2.50	3.1
105J_1989_1262	0	8.6	7.52	110	17	16.3	16	19.1	56	5.3	101	93.67	<1	1085	2.84	2.80	3.2
105J_1989_1264	0	6.9	6.77	55	15	16.8	20	18.8	73	5.7	96	95.58	<1	744	3.02	3.17	3.5
105J_1989_1265	1	5.5	5.07	40	12	9.6	10	20.4	110	4.9	90	90.56	<1	758	2.62	2.52	2.9
105J_1989_1266	2	5.6	5.29	57	11	10.5	10	22.0	120	4.9	94	93.53	<1	634	2.79	2.68	3.0
105J_1989_1267	0	7.4	6.76	38	10	8.1	10	25.2	89	5.1	83	77.15	<1	739	2.98	2.76	3.2
105J_1989_1268	0	8.7	8.13	27	6	4.7	<5	27.8	70	6.8	91	86.41	<1	688	5.12	5.61	5.4
105J_1989_1269	0	7.9	7.42	77	13	12.1	15	21.2	92	4.3	99	87.66	<1	919	2.72	2.81	2.8
105J_1989_1270	0	5.4	4.43	56	12	9.4	10	21.4	84	5.9	90	76.94	<1	795	2.52	2.56	2.7
105J_1989_1271	0	7.1	6.03	51	13	10.3	10	20.9	83	4.8	83	75.20	<1	481	2.64	2.41	2.9
105J_1989_1272	0	12.4	9.69	12	17	14.4	14	15.6	53	5.3	136	103.74	<1	323	1.16	0.91	1.1
105J_1989_1273	0	0.9	0.81	18	2	0.8	<5	24.0	50	5.8	48	43.54	<1	351	9.03	13.64	13.0
105J_1989_1274	0	3.2	2.56	53	6	5.5	8	23.0	120	6.6	80	67.82	<1	555	3.00	2.58	3.2
105J_1989_1275	0	2.2	2.08	69	12	10.9	12	21.7	81	4.8	76	71.57	<1	759	2.72	2.56	2.8
105J_1989_1276	0	6.6	5.84	35	17	15.4	16	21.1	81	4.8	92	85.00	<1	669	3.24	3.48	3.8
105J_1989_1277	0	7.4	6.73	64	11	10.3	11	18.9	90	4.2	96	84.95	<1	844	2.34	2.30	2.7
105J_1989_1278	0	14.8	15.83	80	16	15.8	16	28.9	160	4.4	148	146.54	<1	794	3.34	3.67	3.9
105J_1989_1279	0	8.0	6.55	16	4	3.2	<5	5.8	<20	0.5	65	52.05	<1	180	1.05	1.06	1.5
105J_1989_1280	0	8.5	7.69	61	4	12.9	13	16.2	100	4.3	109	93.11	<1	777	2.69	2.60	3.2
105J_1989_1282	1	11.0	10.60	84	16	15.3	16	17.3	100	5.6	77	73.92	<1	713	2.34	2.37	2.4
105J_1989_1283	2	13.4	13.03	65	17	19.8	22	17.8	110	5.7	83	79.74	<1	686	2.35	2.37	2.7
105J_1989_1284	0	8.2	7.47	59	20	12.3	13	19.1	100	6.4	81	80.01	<1	738	2.51	2.52	2.7
105J_1989_1285	0	7.3	6.44	77	14	12.2	10	18.2	96	4.5	95	86.99	1	890	2.37	2.51	2.8
105J_1989_1286	0	11.2	10.65	58	18	16.0	17	20.4	130	4.7	143	133.41	<1	813	3.15	3.20	3.7
105J_1989_1287	0	11.0	9.62	67	13	11.1	14	17.8	96	5.7	138	123.08	<1	984	2.66	2.80	3.7
105J_1989_1288	0	9.5	8.83	82	13	11.8	15	16.5	110	5.2	97	93.74	<1	956	2.58	2.70	3.6
105J_1989_1289	0	7.4	7.18	69	13	11.9	17	22.8	120	5.6	124	122.51	2	893	2.91	2.94	3.7
105J_1989_1290	0	6.7	6.33	47	13	13.0	15	29.0	130	3.5	123	125.94	1	664	3.20	3.69	4.4
105J_1989_1291	0	10.9	9.60	89	13	12.4	13	23.1	130	6.6	91	91.63	1	694	2.89	2.85	3.2
105J_1989_1292	0	8.6	7.91	67	14	13.5	15	18.5	91	4.7	105	103.16	<1	684	2.57	2.63	2.9
105J_1989_1294	0	12.8	11.00	28	<2	0.4	7	5.0	20	1.2	15	15.07	2	244	0.35	0.23	1.5

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1258	0	3.3	3	167	156	0.11	14.6	26	16.7	<0.2	0.46	1260	1216	7	5.62	8
105J_1989_1259	0	3.1	5	213	222	0.17	18.5	40	9.2	<0.2	0.54	611	659	7	7.07	9
105J_1989_1260	0	2.1	5	213	202	0.13	16.0	42	9.8	<0.2	0.42	242	277	7	6.84	9
105J_1989_1262	0	2.8	5	247	225	0.16	19.0	64	5.9	<0.2	0.70	950	991	9	8.97	12
105J_1989_1264	0	3.0	4	281	305	0.14	19.6	36	8.9	<0.2	0.54	941	1055	6	6.51	9
105J_1989_1265	1	2.6	4	304	312	0.13	17.0	31	6.7	<0.2	0.35	649	714	12	14.46	16
105J_1989_1266	2	2.7	4	313	325	0.14	17.5	33	7.1	<0.2	0.36	568	648	12	14.13	17
105J_1989_1267	0	3.2	2	437	470	0.13	12.5	30	10.8	<0.2	0.29	281	325	20	19.58	21
105J_1989_1268	0	3.2	2	836	857	0.16	9.1	23	15.6	<0.2	0.20	124	174	44	40.85	37
105J_1989_1269	0	2.6	5	228	263	0.21	18.8	47	4.8	<0.2	0.33	725	832	7	7.49	10
105J_1989_1270	0	2.7	4	216	246	0.15	15.5	33	6.6	<0.2	0.48	277	307	7	7.00	8
105J_1989_1271	0	3.0	4	516	709	0.12	8.1	26	12.2	<0.2	0.30	698	675	6	6.46	9
105J_1989_1272	0	2.3	<1	1216	1060	0.09	5.3	12	47.0	<0.2	0.13	374	266	5	5.31	9
105J_1989_1273	0	2.4	<1	2052	1695	0.10	3.7	16	22.6	<0.2	0.05	14	23	163	125.05	119
105J_1989_1274	0	3.3	3	306	361	0.14	18.6	34	12.5	<0.2	0.35	401	400	7	5.51	6
105J_1989_1275	0	3.6	4	168	201	0.23	22.5	43	6.8	<0.2	0.64	280	322	5	4.07	5
105J_1989_1276	0	3.2	4	306	332	0.15	16.6	31	11.2	<0.2	0.39	1008	1126	6	5.29	7
105J_1989_1277	0	1.9	4	297	349	0.15	15.7	35	6.5	<0.2	0.32	435	460	10	10.55	13
105J_1989_1278	0	1.5	3	646	706	0.17	15.4	40	7.6	<0.2	0.65	306	350	22	23.60	25
105J_1989_1279	0	1.0	1	149	164	0.02	4.8	8	60.1	<0.2	0.28	681	530	7	6.60	9
105J_1989_1280	0	1.6	4	399	498	0.12	15.6	38	8.0	<0.2	0.32	292	320	12	12.67	16
105J_1989_1282	1	2.0	4	165	203	0.14	17.6	41	6.6	<0.2	0.58	440	478	13	12.95	17
105J_1989_1283	2	1.8	5	169	209	0.14	17.4	45	6.2	<0.2	0.70	520	577	15	14.03	17
105J_1989_1284	0	2.1	4	210	260	0.15	19.5	40	6.7	<0.2	0.36	297	360	13	13.37	16
105J_1989_1285	0	2.2	4	234	311	0.16	20.0	46	6.5	<0.2	0.40	347	405	8	7.87	10
105J_1989_1286	0	2.2	3	468	621	0.14	15.0	36	9.4	<0.2	0.28	461	568	15	13.95	16
105J_1989_1287	0	2.4	3	285	343	0.18	16.6	46	12.7	<0.2	0.44	257	312	9	8.45	9
105J_1989_1288	0	2.0	3	228	262	0.15	17.1	46	8.4	<0.2	0.42	426	514	9	8.73	10
105J_1989_1289	0	2.4	3	318	411	0.11	16.6	45	7.1	<0.2	0.46	455	544	15	14.35	15
105J_1989_1290	0	1.8	2	267	346	0.10	13.0	34	10.8	<0.2	0.18	449	561	27	26.42	28
105J_1989_1291	0	2.5	4	240	319	0.14	20.2	50	7.9	<0.2	0.35	449	523	12	10.72	12
105J_1989_1292	0	1.9	4	276	345	0.10	16.4	46	4.9	<0.2	0.32	1188	1301	13	12.09	14
105J_1989_1294	0	1.1	2	66	77	0.02	2.1	16	23.4	<0.2	0.05	23	18	2	1.40	7

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1258	0	0.009	0.35	105	91.9	0.227	12	13.43	73	0.13	3.1	3.02	3.9	1.9	6.9	5.0
105J_1989_1259	0	0.007	0.27	97	85.1	0.248	14	16.26	88	0.09	6.0	4.07	5.8	2.8	8.9	3.0
105J_1989_1260	0	0.005	0.26	98	84.6	0.258	12	12.77	97	0.08	4.0	3.66	5.4	2.6	9.0	3.2
105J_1989_1262	0	0.006	0.33	88	76.1	0.339	21	22.96	86	0.09	9.0	6.35	9.0	2.8	9.1	3.9
105J_1989_1264	0	0.005	0.35	89	82.5	0.225	10	15.87	79	0.07	4.1	3.74	5.2	3.3	10.0	2.1
105J_1989_1265	1	0.004	0.32	80	72.5	0.182	9	11.33	75	0.06	8.0	6.16	8.5	2.9	8.2	4.0
105J_1989_1266	2	0.005	0.34	80	78.0	0.189	11	11.55	81	0.06	8.0	6.08	8.5	3.2	8.7	4.5
105J_1989_1267	0	0.005	0.35	70	67.6	0.473	8	10.77	70	0.08	11.0	8.06	11.3	2.3	8.3	8.9
105J_1989_1268	0	0.005	0.31	48	45.9	1.821	8	10.19	52	0.12	14.0	12.09	14.0	3.1	6.8	13.2
105J_1989_1269	0	0.004	0.17	92	85.2	0.382	14	14.01	77	0.13	6.5	4.38	6.3	3.4	7.0	3.4
105J_1989_1270	0	0.007	0.27	73	61.2	0.258	18	14.69	100	0.05	6.5	4.34	6.7	3.2	8.4	3.4
105J_1989_1271	0	0.010	0.59	89	76.6	0.238	13	12.25	72	0.09	4.0	3.49	5.0	2.4	8.0	7.2
105J_1989_1272	0	0.006	0.11	96	79.5	0.148	5	8.36	46	0.47	2.1	4.13	4.9	1.0	5.4	13.8
105J_1989_1273	0	0.003	0.18	9	7.7	3.354	6	8.65	25	0.20	50.0	44.65	45.2	2.5	5.6	27.3
105J_1989_1274	0	0.006	0.34	44	35.3	0.190	15	15.05	79	0.07	3.0	2.61	4.4	2.9	11.0	3.6
105J_1989_1275	0	0.008	0.34	45	42.4	0.247	11	12.75	100	0.05	3.6	3.06	4.6	3.2	10.0	2.3
105J_1989_1276	0	0.008	0.49	106	98.9	0.257	12	12.48	87	0.09	3.4	3.10	4.7	2.9	9.3	3.7
105J_1989_1277	0	0.005	0.23	108	95.0	0.302	10	13.91	84	0.09	7.0	4.12	5.6	3.0	8.6	4.0
105J_1989_1278	0	0.003	0.12	205	198.0	0.316	17	19.76	88	0.13	11.0	8.68	11.0	4.9	10.0	8.4
105J_1989_1279	0	0.020	0.64	42	32.9	0.175	<2	1.52	<5	0.47	0.5	0.98	1.0	1.4	3.4	12.2
105J_1989_1280	0	0.004	0.26	153	130.0	0.264	15	13.85	91	0.07	6.0	4.32	5.9	3.0	8.9	3.7
105J_1989_1282	1	0.005	0.22	151	148.0	0.252	14	18.91	93	0.06	8.0	5.79	8.0	2.7	8.1	4.2
105J_1989_1283	2	0.005	0.23	207	193.2	0.245	14	16.53	110	0.08	8.0	5.83	8.4	2.9	8.7	4.4
105J_1989_1284	0	0.005	0.22	114	112.6	0.229	15	18.96	100	0.06	9.0	6.02	8.3	3.2	10.0	4.2
105J_1989_1285	0	0.004	0.23	102	92.0	0.311	11	15.19	96	0.09	5.0	3.80	5.3	3.0	9.4	3.5
105J_1989_1286	0	0.004	0.24	178	166.0	0.303	16	15.89	85	0.12	8.0	5.48	7.6	3.5	10.0	4.9
105J_1989_1287	0	0.004	0.31	154	133.4	0.355	16	16.30	110	0.11	7.0	4.91	7.0	2.8	11.0	4.6
105J_1989_1288	0	0.004	0.26	115	106.4	0.308	14	15.50	120	0.09	3.0	4.45	6.3	2.9	10.0	4.0
105J_1989_1289	0	0.003	0.33	107	98.5	0.286	13	15.69	130	0.10	11.0	8.28	11.3	3.2	10.0	6.6
105J_1989_1290	0	0.005	0.30	127	127.2	0.322	13	13.47	95	0.14	12.0	10.93	14.6	2.4	9.0	9.5
105J_1989_1291	0	0.008	0.42	138	128.8	0.275	14	16.92	120	0.13	9.0	7.00	9.4	3.2	9.0	4.6
105J_1989_1292	0	0.004	0.30	128	122.2	0.233	13	13.13	110	0.09	9.0	6.97	10.4	2.5	7.8	4.5
105J_1989_1294	0	0.027	2.12	37	30.7	0.042	<2	2.89	46	0.21	1.1	1.92	2.5	0.4	4.5	14.7

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1258	0	5.0	1	90.6	0.7	0.8	0.07	1.0	6.9	0.015	0.24	5.4	8.0	8.6	74	63
105J_1989_1259	0	6.2	2	70.5	1.0	1.0	0.08	2.3	8.4	0.014	0.27	4.6	8.2	7.7	83	79
105J_1989_1260	0	6.0	2	87.5	1.2	1.1	0.07	2.1	8.4	0.006	0.26	3.9	8.1	7.7	73	71
105J_1989_1262	0	8.2	5	126.7	1.0	1.0	0.07	3.8	10.0	0.009	0.24	4.7	9.0	8.5	88	75
105J_1989_1264	0	6.2	2	88.6	1.2	1.0	0.07	3.1	8.9	0.007	0.25	5.1	8.8	8.6	63	56
105J_1989_1265	1	5.6	<1	77.7	1.0	1.0	0.08	2.2	7.6	0.007	0.38	5.4	10.0	9.3	114	132
105J_1989_1266	2	5.8	<1	78.3	0.9	0.9	0.08	2.2	7.2	0.007	0.40	5.8	10.0	9.4	123	144
105J_1989_1267	0	5.1	2	86.1	0.6	0.8	0.10	1.3	6.6	0.007	0.59	3.9	6.6	6.6	224	241
105J_1989_1268	0	4.4	3	118.8	<0.5	0.8	0.20	2.4	4.7	0.013	1.27	5.6	7.5	7.9	706	652
105J_1989_1269	0	7.6	5	147.2	0.9	1.1	0.10	3.1	7.9	0.008	0.26	5.2	8.9	8.2	110	121
105J_1989_1270	0	5.7	3	83.0	0.9	0.9	0.07	3.2	8.1	0.010	0.28	5.1	9.4	8.4	101	97
105J_1989_1271	0	4.8	2	82.2	0.9	0.9	0.11	0.9	6.3	0.006	0.39	4.5	7.5	7.7	172	159
105J_1989_1272	0	2.5	1	56.4	<0.5	<0.5	0.05	0.2	2.7	0.002	0.39	3.1	4.4	5.0	79	78
105J_1989_1273	0	2.7	1	52.8	<0.5	<0.5	0.10	1.3	3.6	0.017	1.00	6.2	7.2	8.2	1782	1495
105J_1989_1274	0	5.4	3	68.8	1.1	0.9	0.08	1.5	7.6	0.004	0.27	4.0	7.8	8.2	99	85
105J_1989_1275	0	6.1	4	83.0	1.4	0.8	0.07	3.8	8.5	0.013	0.24	2.8	5.9	6.1	74	73
105J_1989_1276	0	4.9	1	89.6	1.1	0.8	0.05	2.2	7.7	0.006	0.31	4.3	6.9	7.2	77	84
105J_1989_1277	0	5.3	3	126.4	0.9	0.9	0.10	2.5	6.9	0.005	0.33	4.8	8.1	7.9	87	104
105J_1989_1278	0	6.7	6	227.6	1.0	1.0	0.17	3.2	8.2	0.003	0.45	7.6	11.0	10.9	134	157
105J_1989_1279	0	1.2	7	201.2	<0.5	<0.5	0.02	0.3	1.9	0.009	0.08	15.3	15.0	17.1	14	8
105J_1989_1280	0	6.5	3	121.3	0.8	0.9	0.10	1.7	8.2	0.004	0.42	5.6	10.0	9.6	90	86
105J_1989_1282	1	6.5	5	84.1	1.1	0.9	0.07	2.6	9.0	0.008	0.43	4.9	9.0	8.4	94	94
105J_1989_1283	2	6.8	6	94.6	1.2	0.9	0.06	2.6	9.2	0.008	0.45	4.5	8.4	8.2	90	97
105J_1989_1284	0	6.0	2	76.6	1.0	1.1	0.08	2.6	9.1	0.007	0.41	6.6	10.0	10.3	101	107
105J_1989_1285	0	6.7	2	122.2	1.3	0.9	0.07	2.7	8.9	0.006	0.32	4.4	8.1	8.1	79	80
105J_1989_1286	0	6.0	3	159.4	0.9	1.2	0.11	1.9	8.1	0.004	0.49	6.9	11.0	11.0	101	100
105J_1989_1287	0	5.4	2	154.7	1.0	1.0	0.09	1.5	8.9	0.006	0.39	5.5	10.0	10.0	81	79
105J_1989_1288	0	6.1	4	119.0	1.3	0.9	0.09	2.0	8.3	0.005	0.34	4.8	9.0	8.7	76	81
105J_1989_1289	0	6.4	3	98.9	1.1	1.3	0.13	2.5	8.7	0.004	0.36	11.5	16.0	13.8	92	78
105J_1989_1290	0	5.4	2	136.3	0.8	1.2	0.11	1.4	6.1	0.004	0.53	14.5	19.0	17.7	143	146
105J_1989_1291	0	6.6	2	106.8	1.0	1.0	0.11	2.7	9.2	0.019	0.37	16.4	20.8	20.2	98	95
105J_1989_1292	0	6.9	3	96.7	1.0	1.1	0.08	2.4	7.5	0.007	0.34	10.1	15.0	13.8	90	93
105J_1989_1294	0	1.8	<1	20.1	<0.5	<0.5	<0.02	0.1	4.0	0.009	0.11	4.7	6.6	6.4	14	15

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1258	0	1.0	<1	27.36	<2	351	329.6
105J_1989_1259	0	6.4	5	28.95	3	934	786.5
105J_1989_1260	0	0.3	2	35.08	3	787	656.1
105J_1989_1262	0	14.1	19	34.51	4	819	685.1
105J_1989_1264	0	0.5	3	22.55	3	741	695.3
105J_1989_1265	1	0.1	1	18.98	3	515	509.7
105J_1989_1266	2	1.6	2	41.72	4	523	531.0
105J_1989_1267	0	0.3	<1	34.44	2	485	459.0
105J_1989_1268	0	0.4	<1	29.78	3	298	283.9
105J_1989_1269	0	2.3	4	29.12	3	583	541.6
105J_1989_1270	0	0.5	2	36.69	3	523	489.4
105J_1989_1271	0	0.2	<1	23.29	3	514	465.9
105J_1989_1272	0	0.1	<1	11.47	<2	627	448.3
105J_1989_1273	0	8.5	<1	25.59	3	57	48.4
105J_1989_1274	0	0.1	2	31.16	3	256	225.4
105J_1989_1275	0	0.4	2	35.98	3	255	245.3
105J_1989_1276	0	0.2	<1	29.59	3	624	542.7
105J_1989_1277	0	<0.1	1	38.22	3	958	813.7
105J_1989_1278	0	<0.1	1	20.02	4	2125	2146.9
105J_1989_1279	0	<0.1	<1	12.18	<2	214	178.9
105J_1989_1280	0	<0.1	1	35.83	3	980	902.1
105J_1989_1282	1	1.6	3	17.40	3	1390	1398.5
105J_1989_1283	2	2.8	3	36.55	4	821	1775.2
105J_1989_1284	0	0.3	2	37.30	3	1130	1096.3
105J_1989_1285	0	0.3	1	14.61	3	838	752.8
105J_1989_1286	0	<0.1	<1	30.56	4	1070	1027.5
105J_1989_1287	0	<0.1	1	29.97	3	1250	1124.5
105J_1989_1288	0	<0.1	2	32.20	2	1020	1016.1
105J_1989_1289	0	1.2	2	31.93	4	811	741.4
105J_1989_1290	0	0.1	1	37.11	4	901	833.6
105J_1989_1291	0	0.5	3	32.54	3	1040	1004.3
105J_1989_1292	0	0.4	2	38.18	3	1045	918.7
105J_1989_1294	0	<0.1	<1	20.51	<2	149	141.4

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1295	0	<0.2	251	2.02	124	152.0	196.0	8			2	836.7	2100	1.86	7.6	0.79
105J_1989_1296	0	1.0	1588	1.02	16	22.8	26.0	17	12	24.37	3	789.1	5890	0.29	4.4	0.46
105J_1989_1297	0	2.0	2645	1.26	6	0.1	10.0	19	18	15.22	2	698.2	1800	0.19	7.7	0.22
105J_1989_1298	0	0.5	624	0.92	12	15.4	19.0	12			5	1003.4	6470	0.19	5.1	0.61
105J_1989_1299	0	1.1	1067	0.73	15	21.1	24.0	8			4	1301.4	8160	0.19	4.2	0.81
105J_1989_1300	0	0.8	848	0.87	14	18.9	23.0	10			7	907.1	9270	0.17	4.9	0.84
105J_1989_1302	0	0.8	1099	0.85	14	20.1	22.0	9			6	1642.8	11100	0.21	3.6	0.91
105J_1989_1303	0	1.0	857	0.86	15	26.7	26.0	5			6	888.6	5170	0.16	6.1	0.73
105J_1989_1304	0	0.3	562	0.96	5	6.4	8.4	8			5	425.5	2400	0.14	8.2	0.79
105J_1989_1305	0	0.7	1071	0.78	9	15.0	19.0	12			6	742.5	8280	0.20	1.8	0.59
105J_1989_1306	0	0.6	879	0.93	11	18.6	23.0	12			5	1146.6	7370	0.21	3.3	0.57
105J_1989_1308	1	0.2	426	1.10	6	9.0	11.0	11	10	20.50	4	408.5	2700	0.16	3.5	0.55
105J_1989_1309	2	0.2	353	1.05	7	9.0	12.0	15	11	35.38	4	372.4	2600	0.15	3.7	0.53
105J_1989_1310	0	0.7	832	0.93	12	18.2	23.0	10			4	1061.1	5830	0.21	4.9	0.63
105J_1989_1311	0	1.1	1057	1.01	10	14.5	19.0	11			5	810.0	5290	0.22	5.1	0.53
105J_1989_1312	0	0.7	759	1.41	9	12.6	15.0	12			7	1277.9	5150	0.15	4.6	0.65
105J_1989_1313	0	0.6	776	0.38	36	41.7	44.0	4			4	628.0	1200	0.08	22.0	0.92
105J_1989_1314	0	1.2	1174	0.81	14	23.9	27.0	10			5	1026.5	4800	0.20	2.4	0.41
105J_1989_1315	0	1.1	1147	0.87	15	22.9	31.0	16	17	28.07	3	899.7	4700	0.18	7.0	0.34
105J_1989_1316	0	0.6	805	1.04	6	8.5	11.0	13			4	612.7	2900	0.16	12.0	0.69
105J_1989_1317	0	0.4	343	1.04	7	9.8	13.0	8			3	443.4	2900	0.16	5.4	0.53
105J_1989_1318	0	0.6	642	0.84	9	14.6	18.0	11			4	452.5	3100	0.16	1.5	0.45
105J_1989_1319	0	0.3	557	0.78	10	17.3	21.0	7			4	573.7	3200	0.20	2.2	0.21
105J_1989_1320	0	0.9	591	0.93	9	11.7	16.0	16	15	15.94	4	440.7	7230	0.17	3.1	0.83
105J_1989_1322	0	0.9	1078	0.98	9	13.1	16.0	10			6	825.6	3800	0.15	6.8	0.80
105J_1989_1323	0	1.0	774	0.80	9	14.7	18.0	7			4	911.4	4300	0.16	2.6	0.45
105J_1989_1324	0	<0.2	203	0.92	6	7.5	9.5	6			3	286.5	1600	0.18	6.1	0.18
105J_1989_1325	0	0.7	470	0.67	8	10.4	14.0	8			<1	735.9	3600	0.15	2.5	0.42
105J_1989_1326	0	0.3	376	0.80	6	9.6	11.0	7			1	499.4	2200	0.19	3.3	0.82
105J_1989_1327	0	0.4	423	0.98	7	9.4	11.0	9			<1	454.3	2600	0.17	3.2	0.66
105J_1989_1328	0	1.0	1247	0.88	5	6.9	9.3	10			<1	394.9	2000	0.18	6.2	0.57
105J_1989_1329	0	0.3	611	0.71	7	10.2	14.0	9			<1	936.8	5080	0.19	2.9	0.39
105J_1989_1330	0	0.8	799	0.69	3	2.9	5.3	6			1	355.6	1600	0.11	8.7	0.47

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1295	0	12.3	11.53	82	9	6.9	8	15.5	25	22.0	35	34.67	<1	388	2.42	1.98	2.9
105J_1989_1296	0	4.8	4.16	61	9	8.7	12	26.8	110	4.4	103	100.67	<1	587	2.53	2.47	3.2
105J_1989_1297	0	8.3	8.99	38	5	3.2	9	21.0	66	3.3	113	147.58	<1	361	1.00	0.86	1.7
105J_1989_1298	0	3.3	2.67	78	11	10.8	14	18.6	120	4.4	76	72.43	2	759	2.87	2.63	3.4
105J_1989_1299	0	8.6	7.81	65	13	11.5	13	18.8	100	4.9	102	99.96	1	847	2.57	2.54	3.2
105J_1989_1300	0	7.0	5.78	68	13	10.2	13	20.1	85	3.8	76	74.49	<1	810	2.47	2.37	3.1
105J_1989_1302	0	8.5	7.55	68	17	16.1	19	20.8	110	3.9	98	99.42	2	822	2.85	2.73	3.2
105J_1989_1303	0	3.2	3.13	55	8	7.3	7	22.8	84	3.4	57	55.14	<1	744	2.54	2.59	2.7
105J_1989_1304	0	5.1	4.15	50	9	7.3	10	14.6	63	4.2	73	60.27	<1	446	2.09	1.74	2.6
105J_1989_1305	0	4.2	3.64	58	10	7.5	10	27.1	140	4.3	106	98.02	2	698	1.55	1.37	2.0
105J_1989_1306	0	6.0	4.93	64	10	9.5	13	21.4	110	5.0	92	83.14	1	684	2.55	2.41	3.4
105J_1989_1308	1	1.6	1.64	82	13	11.4	16	24.0	73	4.0	70	63.98	<1	719	2.66	2.34	3.1
105J_1989_1309	2	1.4	1.33	74	12	10.7	15	19.1	84	3.8	71	61.88	<1	729	2.36	2.31	3.4
105J_1989_1310	0	5.9	5.23	64	10	11.1	16	21.0	76	5.5	77	72.12	1	741	2.57	2.57	3.5
105J_1989_1311	0	5.0	4.12	66	11	9.5	11	21.0	100	4.7	91	80.92	1	659	1.76	1.57	2.3
105J_1989_1312	0	10.1	9.57	54	10	10.1	12	25.5	75	4.9	78	73.46	<1	786	2.87	2.73	3.5
105J_1989_1313	0	8.3	6.88	22	5	3.0	9	6.9	24	1.2	61	51.18	<1	240	3.81	3.82	4.6
105J_1989_1314	0	10.7	9.83	64	22	22.0	26	22.6	99	5.0	88	87.53	2	588	3.02	2.98	3.5
105J_1989_1315	0	11.9	10.25	46	18	17.6	24	17.2	99	6.5	81	71.58	<1	510	3.15	3.05	3.6
105J_1989_1316	0	5.9	4.74	65	11	9.7	13	17.7	78	5.9	71	59.96	1	933	2.18	1.99	2.8
105J_1989_1317	0	1.7	1.36	78	12	12.0	17	17.4	86	6.4	60	52.91	1	619	2.54	2.40	3.8
105J_1989_1318	0	4.0	3.42	72	11	10.2	15	16.7	84	4.7	80	74.14	2	647	2.22	2.15	2.9
105J_1989_1319	0	3.0	2.50	60	6	4.6	7	18.6	89	4.9	50	42.65	1	502	2.34	1.79	2.5
105J_1989_1320	0	2.0	2.12	75	11	12.2	14	17.3	70	4.9	79	72.32	2	763	3.03	2.75	3.8
105J_1989_1322	0	8.2	7.23	71	15	14.7	18	23.6	90	3.9	72	72.18	1	694	2.81	2.65	3.4
105J_1989_1323	0	6.2	5.72	55	7	8.7	10	18.6	94	4.8	65	65.09	2	564	2.26	2.27	2.9
105J_1989_1324	0	0.8	0.83	69	9	9.0	13	16.1	80	4.5	41	39.73	1	300	2.46	1.98	3.1
105J_1989_1325	0	2.6	2.58	64	10	9.1	13	12.7	90	4.3	61	60.33	<1	587	2.51	2.32	3.2
105J_1989_1326	0	1.0	1.29	64	10	10.8	13	11.8	56	6.2	56	52.88	2	796	2.40	2.27	2.8
105J_1989_1327	0	1.7	1.87	66	9	11.1	13	16.0	72	5.7	61	63.42	1	725	2.43	2.39	3.0
105J_1989_1328	0	2.3	2.31	66	8	6.3	8	13.8	83	5.1	74	69.77	2	570	2.15	1.90	2.7
105J_1989_1329	0	1.4	1.62	69	11	11.6	18	13.9	97	4.8	67	68.62	1	524	2.57	2.67	3.8
105J_1989_1330	0	3.8	3.35	48	8	5.6	10	11.1	49	3.3	55	51.93	1	347	1.62	1.32	2.7

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1295	0	5.7	4	36	24	0.21	32.3	44	6.0	<0.2	0.59	327	367	2	2.44	4
105J_1989_1296	0	2.9	3	366	464	0.11	14.7	36	9.1	<0.2	0.34	312	359	11	10.78	13
105J_1989_1297	0	2.7	2	1292	1568	0.07	11.0	19	37.1	<0.2	0.09	71	81	6	9.63	8
105J_1989_1298	0	2.5	4	198	235	0.14	14.5	44	7.5	<0.2	0.41	534	565	6	5.00	6
105J_1989_1299	0	1.9	3	330	454	0.13	15.1	37	8.3	<0.2	0.31	345	375	13	13.23	16
105J_1989_1300	0	2.4	3	329	408	0.16	13.8	39	10.9	<0.2	0.30	1116	1117	8	8.25	10
105J_1989_1302	0	2.3	3	357	510	0.18	16.3	37	9.6	<0.2	0.31	725	803	12	11.06	12
105J_1989_1303	0	2.7	3	362	399	0.14	14.7	33	10.2	<0.2	0.26	611	734	10	11.17	10
105J_1989_1304	0	2.7	3	239	220	0.13	12.3	27	24.7	<0.2	0.30	917	701	<2	2.94	6
105J_1989_1305	0	2.6	3	448	495	0.15	16.0	38	6.9	<0.2	0.30	29	34	10	10.83	14
105J_1989_1306	0	2.8	4	422	359	0.15	16.2	40	6.9	<0.2	0.36	468	513	7	7.83	9
105J_1989_1308	1	3.1	5	190	202	0.14	19.2	37	5.1	<0.2	0.70	738	833	3	4.27	5
105J_1989_1309	2	3.1	6	190	186	0.14	19.9	43	4.9	<0.2	0.65	327	355	4	3.60	5
105J_1989_1310	0	2.9	4	448	479	0.13	15.6	37	7.0	<0.2	0.53	663	691	8	9.77	11
105J_1989_1311	0	3.1	3	426	486	0.14	15.0	34	9.2	<0.2	0.52	195	209	4	5.24	7
105J_1989_1312	0	4.3	3	288	314	0.21	20.2	33	6.5	<0.2	0.92	900	954	6	7.05	9
105J_1989_1313	0	0.9	<1	299	284	0.05	2.8	10	40.0	<0.2	0.19	1116	853	4	5.43	8
105J_1989_1314	0	2.6	4	608	680	0.12	16.4	34	6.6	<0.2	0.32	1422	1625	14	15.14	17
105J_1989_1315	0	2.4	3	684	623	0.09	11.7	29	8.4	<0.2	0.27	1476	1475	12	11.23	15
105J_1989_1316	0	3.1	4	433	501	0.12	15.4	34	10.8	<0.2	0.56	565	588	4	3.82	5
105J_1989_1317	0	3.2	5	216	221	0.12	16.5	40	8.1	<0.2	0.58	483	508	3	3.38	4
105J_1989_1318	0	2.6	4	224	243	0.12	15.6	37	7.3	<0.2	0.43	205	238	9	9.65	12
105J_1989_1319	0	2.5	4	250	270	0.09	10.4	32	10.9	<0.2	0.22	100	103	7	7.48	10
105J_1989_1320	0	2.9	4	269	325	0.14	16.0	42	7.5	<0.2	0.65	516	559	6	5.58	6
105J_1989_1322	0	3.0	5	278	357	0.14	15.8	38	10.2	<0.2	0.59	1422	1599	8	8.08	9
105J_1989_1323	0	2.3	4	228	290	0.11	11.5	33	6.0	<0.2	0.31	223	271	6	5.92	7
105J_1989_1324	0	3.4	5	71	85	0.09	9.1	31	12.1	<0.2	0.26	756	674	<2	2.77	4
105J_1989_1325	0	1.9	4	202	250	0.12	11.1	33	5.4	<0.2	0.32	422	438	4	4.21	5
105J_1989_1326	0	2.2	4	209	253	0.15	14.6	34	10.3	<0.2	0.34	455	494	3	3.63	3
105J_1989_1327	0	3.0	5	198	228	0.16	18.0	37	7.7	<0.2	0.56	499	536	4	4.28	5
105J_1989_1328	0	2.6	4	399	462	0.13	9.7	34	13.3	<0.2	0.29	1062	985	3	3.01	3
105J_1989_1329	0	2.3	6	246	274	0.13	12.0	39	5.8	<0.2	0.27	1044	1047	4	4.39	5
105J_1989_1330	0	2.1	3	295	319	0.10	5.5	21	15.0	<0.2	0.18	500	428	<2	1.79	4

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1295	0	0.027	1.40	59	59.6	0.097	23	25.83	160	0.01	8.0	3.81	10.1	4.3	10.0	2.1
105J_1989_1296	0	0.004	0.39	73	66.7	0.208	14	11.22	100	0.06	5.0	4.66	6.9	2.0	10.0	3.9
105J_1989_1297	0	0.011	1.10	80	71.1	0.222	8	9.01	52	0.37	1.0	4.04	3.5	1.3	10.0	41.4
105J_1989_1298	0	0.004	0.28	65	57.1	0.231	11	11.39	95	0.08	3.0	2.57	4.2	2.6	10.0	2.7
105J_1989_1299	0	0.004	0.33	139	126.5	0.290	12	13.57	110	0.09	5.5	5.62	7.5	3.0	11.0	4.4
105J_1989_1300	0	0.006	0.30	83	72.8	0.269	9	10.15	99	0.25	3.4	3.30	5.1	2.8	9.0	4.6
105J_1989_1302	0	0.005	0.25	99	119.0	0.313	13	13.22	93	0.12	5.0	4.47	6.3	3.4	9.0	4.7
105J_1989_1303	0	0.006	0.26	60	58.9	0.275	8	9.13	92	0.15	3.0	2.46	3.6	2.8	7.7	3.4
105J_1989_1304	0	0.013	0.93	57	47.0	0.210	8	7.75	82	0.13	0.8	1.51	2.2	1.0	8.8	1.6
105J_1989_1305	0	0.005	0.29	66	58.0	0.227	12	13.86	97	0.29	4.1	4.35	7.2	3.1	10.0	6.3
105J_1989_1306	0	0.006	0.37	76	67.0	0.237	10	12.84	100	0.08	4.2	3.59	5.8	3.0	10.0	3.7
105J_1989_1308	1	0.005	0.44	43	39.6	0.175	11	11.94	91	0.04	2.0	1.83	2.8	3.1	9.3	2.0
105J_1989_1309	2	0.005	0.49	40	35.9	0.186	8	10.77	87	0.03	1.9	1.79	2.8	3.0	10.0	2.1
105J_1989_1310	0	0.006	0.46	84	78.4	0.171	10	12.13	94	0.06	5.0	4.86	7.3	3.0	10.0	3.3
105J_1989_1311	0	0.006	0.37	94	81.8	0.189	12	12.18	95	0.15	3.7	3.38	5.4	3.0	10.0	10.8
105J_1989_1312	0	0.008	0.31	107	102.4	0.284	9	12.02	82	0.09	2.8	2.14	3.5	3.2	8.6	3.5
105J_1989_1313	0	0.027	1.10	69	62.8	0.206	4	3.80	19	0.39	1.2	2.11	2.2	1.0	4.7	20.2
105J_1989_1314	0	0.006	0.46	134	124.6	0.171	8	11.72	94	0.05	7.0	6.32	9.5	3.1	9.3	5.2
105J_1989_1315	0	0.005	0.50	143	121.5	0.225	8	10.12	98	0.04	7.0	5.75	10.0	2.4	8.7	4.5
105J_1989_1316	0	0.007	0.55	74	64.6	0.152	9	10.70	100	0.09	2.4	2.17	3.7	3.0	10.0	2.5
105J_1989_1317	0	0.006	0.54	38	34.0	0.144	6	10.79	110	0.02	2.0	1.74	3.0	3.2	11.0	1.4
105J_1989_1318	0	0.005	0.44	63	54.7	0.146	7	12.78	100	0.09	5.0	4.73	7.0	3.5	10.0	3.1
105J_1989_1319	0	0.004	0.40	36	30.5	0.196	9	13.13	99	0.04	3.8	3.85	6.3	2.2	9.4	3.5
105J_1989_1320	0	0.005	0.36	45	40.9	0.188	12	12.69	100	0.29	2.8	2.42	3.6	3.8	10.0	2.9
105J_1989_1322	0	0.006	0.52	123	111.5	0.227	6	10.12	94	0.11	4.0	3.78	5.5	3.1	10.0	5.2
105J_1989_1323	0	0.005	0.36	78	72.9	0.200	11	11.21	100	0.08	4.2	3.77	5.7	3.0	10.0	4.0
105J_1989_1324	0	0.007	1.00	34	30.8	0.102	9	9.55	94	0.08	1.2	1.29	2.1	0.8	10.0	1.5
105J_1989_1325	0	0.004	0.31	57	50.2	0.147	8	9.23	110	0.08	2.6	2.24	3.7	2.9	9.4	2.4
105J_1989_1326	0	0.006	0.43	33	31.3	0.136	11	11.21	120	0.06	1.5	1.60	2.4	3.9	10.0	1.3
105J_1989_1327	0	0.007	0.47	40	38.1	0.153	11	11.94	120	0.05	1.7	1.80	2.9	3.9	9.5	1.5
105J_1989_1328	0	0.005	0.50	91	83.8	0.156	11	10.88	110	0.12	1.0	1.08	2.2	1.5	11.0	2.1
105J_1989_1329	0	0.004	0.41	52	46.9	0.133	9	11.29	110	0.05	2.0	1.88	3.1	3.2	11.0	2.7
105J_1989_1330	0	0.021	1.50	71	62.8	0.107	4	7.08	66	0.07	0.8	0.97	1.5	1.0	9.3	3.7

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1295	0	5.4	3	141.4	1.0	0.8	<0.02	10.7	17.0	0.043	0.28	20.3	24.7	21.8	44	45
105J_1989_1296	0	5.5	1	73.7	0.9	1.1	0.09	0.7	7.6	0.006	0.37	10.6	14.0	13.7	121	132
105J_1989_1297	0	4.2	1	39.0	<0.5	1.0	0.07	0.2	4.5	0.005	0.38	15.5	15.0	16.0	66	61
105J_1989_1298	0	6.0	4	57.0	1.4	0.9	0.06	1.8	7.8	0.004	0.18	4.0	7.3	7.6	55	52
105J_1989_1299	0	5.4	3	97.2	0.9	1.0	0.10	1.5	8.1	0.005	0.43	6.7	11.0	9.7	101	105
105J_1989_1300	0	5.5	2	98.2	1.0	0.9	0.08	2.0	7.2	0.006	0.30	7.8	12.0	11.1	92	102
105J_1989_1302	0	5.6	4	127.6	0.9	0.9	0.06	2.2	7.9	0.005	0.40	6.9	10.0	9.7	101	114
105J_1989_1303	0	4.6	3	86.6	1.0	0.8	0.07	2.0	6.6	0.005	0.35	14.5	17.0	16.1	116	127
105J_1989_1304	0	4.2	3	48.8	0.9	0.8	0.02	0.3	6.5	0.004	0.19	3.8	6.6	6.2	51	49
105J_1989_1305	0	5.7	2	112.0	1.1	1.0	0.07	2.1	7.5	0.005	0.32	8.0	13.0	11.1	129	142
105J_1989_1306	0	5.9	4	98.5	1.1	1.2	0.10	2.4	8.3	0.007	0.30	7.3	12.0	10.5	107	108
105J_1989_1308	1	5.6	4	68.1	1.5	0.8	0.05	3.1	8.8	0.008	0.17	3.0	7.1	5.9	57	62
105J_1989_1309	2	6.3	3	66.7	1.4	1.1	0.04	3.8	10.0	0.010	0.15	2.5	7.2	6.3	61	58
105J_1989_1310	0	5.6	2	86.8	1.4	1.1	0.06	2.2	7.5	0.006	0.33	3.4	7.9	7.1	95	108
105J_1989_1311	0	5.0	3	80.0	1.0	0.9	0.05	2.3	7.7	0.005	0.31	10.0	15.0	14.0	109	116
105J_1989_1312	0	4.7	3	90.8	0.9	0.9	0.09	3.1	7.3	0.007	0.29	5.7	9.4	9.7	108	122
105J_1989_1313	0	1.2	4	77.4	<0.5	0.5	<0.02	0.2	2.1	0.011	0.12	21.2	21.3	23.0	19	23
105J_1989_1314	0	5.9	1	67.1	1.0	1.2	0.07	2.0	7.7	0.006	0.44	7.9	12.0	11.4	141	153
105J_1989_1315	0	5.8	3	50.9	0.9	1.0	0.06	1.3	7.5	0.006	0.44	4.0	8.9	7.7	103	84
105J_1989_1316	0	5.7	3	78.4	1.3	0.9	0.05	1.7	8.6	0.006	0.24	2.8	7.4	6.4	69	62
105J_1989_1317	0	6.3	2	63.2	1.5	1.0	0.06	2.8	9.4	0.006	0.16	1.7	6.3	5.0	56	51
105J_1989_1318	0	6.0	3	54.3	1.2	1.0	0.05	3.1	9.0	0.006	0.32	4.5	10.0	8.7	92	93
105J_1989_1319	0	5.1	1	42.3	1.0	0.9	0.11	1.3	7.4	0.004	0.33	4.6	9.2	8.0	112	112
105J_1989_1320	0	6.2	4	72.3	1.1	0.8	0.08	3.3	10.0	0.006	0.23	2.3	7.2	6.6	62	59
105J_1989_1322	0	6.1	3	86.4	1.0	1.0	0.06	2.0	8.3	0.009	0.32	4.7	9.0	8.3	119	126
105J_1989_1323	0	5.5	2	66.6	1.0	1.0	0.07	2.4	7.6	0.004	0.36	4.6	9.0	7.5	105	103
105J_1989_1324	0	4.7	<1	22.4	1.0	0.8	0.06	0.1	8.2	0.008	0.14	1.3	4.6	4.1	37	37
105J_1989_1325	0	5.6	1	54.1	1.0	0.9	0.06	2.7	8.1	0.005	0.18	2.2	6.4	5.5	56	55
105J_1989_1326	0	5.9	3	62.4	1.4	1.0	0.03	2.9	10.0	0.004	0.18	1.3	5.7	4.9	37	36
105J_1989_1327	0	6.6	2	70.3	1.4	1.0	0.06	2.9	11.0	0.007	0.20	2.0	7.2	5.8	47	52
105J_1989_1328	0	5.7	3	53.9	1.1	0.9	0.04	0.4	9.2	0.003	0.22	2.0	6.4	5.7	45	50
105J_1989_1329	0	6.6	2	49.6	1.4	1.1	0.07	2.6	9.4	0.007	0.17	2.2	6.6	5.7	44	54
105J_1989_1330	0	4.5	2	47.3	0.7	0.6	0.05	0.1	6.1	0.009	0.16	1.4	4.1	3.8	35	40

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1295	0	1.3	5	30.02	2	646	575.6
105J_1989_1296	0	0.7	2	35.95	4	518	455.4
105J_1989_1297	0	0.1	1	16.36	<2	135	141.1
105J_1989_1298	0	0.3	2	30.27	3	320	282.8
105J_1989_1299	0	<0.1	<1	32.40	3	1120	1007.4
105J_1989_1300	0	0.2	2	25.21	3	781	624.1
105J_1989_1302	0	0.5	2	14.71	3	990	908.2
105J_1989_1303	0	0.2	<1	32.83	2	414	419.4
105J_1989_1304	0	<0.1	<1	26.77	2	221	195.7
105J_1989_1305	0	0.1	2	38.78	4	383	366.2
105J_1989_1306	0	0.4	2	42.61	3	500	445.6
105J_1989_1308	1	0.2	2	22.47	3	207	188.3
105J_1989_1309	2	0.2	1	45.73	3	183	172.9
105J_1989_1310	0	<0.1	2	39.81	3	877	765.5
105J_1989_1311	0	2.9	2	38.92	3	672	581.6
105J_1989_1312	0	<0.1	<1	20.62	2	766	665.1
105J_1989_1313	0	<0.1	<1	15.44	<2	271	241.1
105J_1989_1314	0	<0.1	<1	38.40	4	1036	901.7
105J_1989_1315	0	<0.1	1	36.60	2	1013	842.1
105J_1989_1316	0	<0.1	2	34.56	3	209	487.8
105J_1989_1317	0	<0.1	<1	38.56	3	193	176.7
105J_1989_1318	0	<0.1	2	21.76	4	403	382.5
105J_1989_1319	0	<0.1	2	34.93	3	251	226.9
105J_1989_1320	0	2.1	3	20.19	2	225	220.6
105J_1989_1322	0	0.3	2	33.61	3	960	914.1
105J_1989_1323	0	0.1	<1	39.92	3	630	611.8
105J_1989_1324	0	<0.1	2	35.07	3	114	106.3
105J_1989_1325	0	<0.1	2	45.39	3	283	277.8
105J_1989_1326	0	<0.1	2	35.58	3	158	157.0
105J_1989_1327	0	<0.1	2	33.26	3	197	199.3
105J_1989_1328	0	<0.1	1	35.64	3	139	250.0
105J_1989_1329	0	<0.1	2	41.32	3	208	202.0
105J_1989_1330	0	<0.1	<1	23.65	<2	239	220.2

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1331	0	0.7	748	0.72	8	4.6	14.0	6			2	662.2	4000	0.17	2.3	0.44
105J_1989_1332	1	1.6	1644	1.12	11	16.3	18.0	9	8	8.57	1	506.1	2800	0.18	8.8	0.84
105J_1989_1333	2	1.8	1443	1.01	10	15.1	19.0	11	10	27.35	<1	405.8	2700	0.16	8.1	0.71
105J_1989_1335	0	0.8	772	1.06	7	10.8	13.0	14	5	15.13	1	640.8	3300	0.18	8.8	0.51
105J_1989_1336	0	1.0	1034	0.80	12	18.0	22.0	23	25	30.55	<1	605.6	2400	0.19	6.2	0.37
105J_1989_1337	0	1.4	1323	1.03	13	18.6	22.0	13			2	869.0	3200	0.27	9.1	0.77
105J_1989_1338	0	2.3	1932	0.86	16	22.7	29.0	12			2	804.0	3400	0.20	7.5	0.62
105J_1989_1339	0	2.3	1707	0.88	20	28.0	36.0	16	17	28.14	<1	594.3	4800	0.22	4.1	0.48
105J_1989_1340	0	0.7	606	0.93	11	14.3	18.0	11			1	446.5	2300	0.21	5.0	0.45
105J_1989_1342	1	1.2	1092	0.83	18	25.5	31.0	13	13	15.28	<1	834.3	4900	0.23	4.0	0.37
105J_1989_1343	2	0.8	960	0.80	17	23.6	31.0	15	15	34.56	<1	771.9	5320	0.21	3.6	0.34
105J_1989_1344	0	0.5	630	0.71	28	34.7	36.0	4			1	772.8	2100	0.10	20.0	0.87
105J_1989_1345	0	<0.2	267	1.23	6	6.6	8.7	6			<1	383.6	2400	0.15	6.8	0.69
105J_1989_1346	0	<0.2	352	1.06	7	10.7	13.0	8			<1	462.3	2500	0.18	15.0	1.15
105J_1989_1347	0	0.2	289	1.07	2	3.6	5.5	5			<1	372.9	3500	0.13	3.8	0.59
105J_1989_1348	0	0.4	306	0.90	7	8.5	12.0	3			<1	450.5	2300	0.15	11.0	0.60
105J_1989_1349	0	<0.2	299	1.04	6	8.1	10.0	7			<1	644.1	3100	0.17	5.0	0.53
105J_1989_1350	0	0.8	623	1.14	13	21.2	26.0	10			1	1228.6	3400	0.15	18.0	1.20
105J_1989_1351	0	0.6	581	0.84	5	6.0	9.3	9			4	411.9	2800	0.13	5.1	0.58
105J_1989_1352	0	0.7	1095	1.25	6	7.8	10.0	15	12	21.13	4	492.8	2700	0.17	4.9	0.65
105J_1989_1354	0	0.7	732	1.19	6	6.8	9.5	9			7	1657.3	5150	0.11	18.0	1.03
105J_1989_1355	0	0.5	818	1.01	10	10.9	16.0	10			8	743.3	3800	0.15	3.5	0.47
105J_1989_1356	0	1.2	1153	1.27	10	22.5	29.0	13			5	1194.0	3100	0.22	13.0	0.27
105J_1989_1357	0	0.2	161	0.72	1	0.9	1.8	3			8	159.6	390	0.05	8.7	2.05
105J_1989_1358	0	0.6	620	0.94	18	21.6	30.0	8			5	1041.7	6660	0.27	2.3	0.66
105J_1989_1359	0	0.3	620	0.79	36	41.0	52.8	11			4	1103.9	5880	0.16	4.2	0.67
105J_1989_1360	0	0.6	775	1.12	10	13.2	18.0	11			3	625.7	3100	0.16	5.2	0.44
105J_1989_1362	0	0.6	647	1.00	13	15.5	22.0	16	12	22.49	5	757.5	5830	0.17	1.9	0.50
105J_1989_1363	0	<0.2	269	1.12	5	6.5	8.8	3			2	311.5	1900	0.17	5.3	0.39
105J_1989_1364	0	<0.2	319	1.00	11	12.4	18.0	11			4	481.6	3100	0.15	2.7	0.43
105J_1989_1365	0	0.4	302	0.99	9	10.9	14.0	9			5	724.9	3400	0.16	2.6	0.55
105J_1989_1366	1	0.5	445	0.92	9	10.8	14.0	6			4	430.2	2500	0.17	10.0	0.61
105J_1989_1367	2	0.4	449	0.98	9	12.8	16.0	6			4	528.5	2600	0.19	11.0	0.70

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1331	0	3.0	2.93	52	4	4.2	6	18.4	100	5.0	66	68.38	1	633	1.16	1.03	1.5
105J_1989_1332	1	12.1	13.76	62	13	12.6	15	22.7	86	4.0	79	83.24	<1	526	2.30	2.33	3.0
105J_1989_1333	2	9.8	8.67	54	11	9.1	12	20.6	100	4.3	82	71.92	<1	520	2.42	2.09	2.9
105J_1989_1335	0	7.5	6.93	48	11	10.5	16	19.9	76	3.7	78	76.99	1	496	2.35	2.32	2.8
105J_1989_1336	0	7.5	7.52	46	22	20.8	22	17.7	97	3.4	116	110.80	1	480	2.51	2.48	3.0
105J_1989_1337	0	14.0	13.84	51	15	13.1	15	22.7	84	5.0	65	67.30	<1	555	2.64	2.72	3.1
105J_1989_1338	0	9.1	8.11	62	12	10.8	14	27.8	100	4.6	84	84.25	2	609	2.31	2.37	3.0
105J_1989_1339	0	11.9	11.14	63	14	12.2	15	30.4	130	4.9	130	123.69	1	551	2.68	2.59	3.2
105J_1989_1340	0	4.2	3.87	61	11	11.7	15	16.6	92	5.1	69	67.92	2	530	2.63	2.50	3.3
105J_1989_1342	1	6.9	6.31	55	12	11.3	15	19.4	100	4.7	94	84.76	1	492	3.04	2.81	3.7
105J_1989_1343	2	5.8	5.10	64	11	10.1	17	17.8	110	4.6	88	78.91	2	467	2.77	2.70	4.0
105J_1989_1344	0	6.8	6.08	26	10	9.1	10	12.0	31	2.3	43	39.67	<1	258	4.75	4.29	4.9
105J_1989_1345	0	2.3	1.93	79	14	12.2	16	16.7	71	4.5	42	42.32	<1	665	2.65	2.43	3.7
105J_1989_1346	0	2.0	1.84	77	13	10.9	14	14.6	58	4.1	50	50.25	1	542	2.84	2.70	3.8
105J_1989_1347	0	1.0	0.84	100	9	7.4	10	12.8	84	4.6	38	35.47	1	658	2.21	1.96	2.9
105J_1989_1348	0	1.8	1.64	71	10	8.3	12	13.7	50	4.1	39	34.17	1	447	2.54	2.23	3.2
105J_1989_1349	0	1.2	1.22	64	11	11.1	13	17.8	66	5.0	44	44.98	<1	560	2.33	2.49	3.1
105J_1989_1350	0	6.6	5.87	35	53	49.8	57	20.5	50	3.7	78	69.25	1	547	5.59	5.16	5.3
105J_1989_1351	0	1.1	0.88	51	7	3.3	6	15.0	60	4.0	33	29.04	<1	520	2.25	1.64	2.5
105J_1989_1352	0	3.1	2.93	66	8	7.9	13	16.8	77	5.7	66	61.00	1	626	2.31	2.10	3.2
105J_1989_1354	0	5.9	4.65	45	12	11.5	16	22.3	75	4.1	71	60.22	<1	830	2.97	2.64	3.7
105J_1989_1355	0	4.3	3.13	68	12	8.9	13	19.2	91	4.4	73	58.86	1	664	2.42	2.17	3.1
105J_1989_1356	0	7.2	6.51	40	29	27.0	32	19.7	62	4.5	94	84.47	2	417	13.95	12.88	13.0
105J_1989_1357	0	1.1	0.87	14	2	1.0	<5	3.9	<20	0.5	64	49.55	<1	142	0.69	0.43	0.6
105J_1989_1358	0	4.7	3.80	76	10	9.4	13	18.9	100	5.1	76	63.64	1	845	2.57	2.42	3.2
105J_1989_1359	0	4.9	4.16	75	15	13.5	20	17.0	75	4.1	59	57.12	2	757	3.49	3.28	4.3
105J_1989_1360	0	6.0	4.92	46	16	12.5	16	18.9	72	4.5	66	58.68	<1	559	2.86	2.64	3.3
105J_1989_1362	0	3.3	2.98	69	16	14.2	20	18.3	82	5.0	87	80.10	<1	685	2.91	2.69	3.5
105J_1989_1363	0	0.9	0.81	64	9	8.1	13	14.2	63	4.8	29	25.69	1	421	2.60	1.99	3.2
105J_1989_1364	0	1.6	1.29	66	14	12.0	17	16.1	76	5.5	63	52.63	2	695	2.51	2.32	3.3
105J_1989_1365	0	0.9	1.08	72	14	11.6	14	18.6	80	5.4	47	45.96	1	575	2.58	2.36	3.2
105J_1989_1366	1	1.0	0.92	49	7	6.8	9	16.8	64	4.3	46	40.86	<1	575	3.24	3.16	4.0
105J_1989_1367	2	1.1	1.27	56	8	8.4	12	17.6	70	4.5	43	42.66	<1	506	3.66	3.72	4.7

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1331	0	2.2	3	239	308	0.12	10.5	30	6.6	<0.2	0.26	24	29	7	7.93	8
105J_1989_1332	1	2.9	3	760	962	0.11	13.7	32	12.5	<0.2	0.42	1080	1216	7	7.67	7
105J_1989_1333	2	2.6	3	760	768	0.09	12.0	31	13.8	<0.2	0.40	694	681	6	6.49	6
105J_1989_1335	0	3.0	3	381	450	0.11	14.2	28	11.0	<0.2	0.42	1548	1781	5	5.04	4
105J_1989_1336	0	2.1	2	500	601	0.10	10.4	29	8.5	<0.2	0.23	4338	4205	5	6.22	5
105J_1989_1337	0	2.7	3	388	453	0.14	13.0	27	13.3	<0.2	0.33	2196	1291	10	10.24	11
105J_1989_1338	0	2.6	4	433	523	0.12	13.2	36	10.0	<0.2	0.23	649	700	10	12.72	14
105J_1989_1339	0	2.7	3	988	992	0.12	16.9	42	9.6	<0.2	0.30	1440	1204	26	26.75	31
105J_1989_1340	0	2.6	4	254	288	0.13	13.2	33	7.4	<0.2	0.28	774	1034	5	5.95	6
105J_1989_1342	1	2.3	4	381	436	0.08	12.4	33	7.5	<0.2	0.25	3654	1196	12	14.80	16
105J_1989_1343	2	2.3	4	358	389	0.08	12.5	38	6.4	<0.2	0.24	1980	1051	12	13.68	16
105J_1989_1344	0	1.7	2	317	344	0.07	6.1	15	35.6	<0.2	0.31	1476	6468	11	16.66	17
105J_1989_1345	0	3.3	4	179	198	0.11	16.3	41	12.3	<0.2	0.75	972	1663	<2	2.04	2
105J_1989_1346	0	2.8	4	175	186	0.09	13.1	37	19.1	<0.2	0.53	3276	2779	2	3.19	4
105J_1989_1347	0	2.6	5	146	154	0.08	18.2	51	9.6	<0.2	0.60	268	247	<2	0.83	<1
105J_1989_1348	0	2.2	4	134	139	0.10	11.4	36	11.4	<0.2	0.30	980	882	<2	1.60	<1
105J_1989_1349	0	2.9	4	123	140	0.13	13.2	33	6.6	<0.2	0.47	644	679	<2	2.34	1
105J_1989_1350	0	3.1	3	385	454	0.11	11.2	22	25.2	<0.2	0.46	>20000	>10000	8	9.17	9
105J_1989_1351	0	2.6	3	276	258	0.11	7.6	26	15.4	<0.2	0.31	420	134	<2	1.14	2
105J_1989_1352	0	3.2	3	396	373	0.11	9.0	31	13.5	<0.2	0.37	1314	1506	4	3.63	5
105J_1989_1354	0	3.5	2	370	302	0.15	11.9	26	19.4	<0.2	0.57	2115	2292	4	3.10	3
105J_1989_1355	0	2.6	4	329	287	0.13	9.9	34	7.1	<0.2	0.37	920	823	5	4.72	7
105J_1989_1356	0	3.2	2	512	592	0.14	8.5	23	21.0	<0.2	0.26	>20000	>10000	21	20.82	22
105J_1989_1357	0	0.9	<1	149	143	0.02	2.8	6	78.7	<0.2	0.35	438	286	4	2.74	4
105J_1989_1358	0	2.6	4	220	209	0.14	15.2	40	5.4	<0.2	0.42	496	497	6	6.00	6
105J_1989_1359	0	2.4	4	332	300	0.11	12.1	40	6.5	<0.2	0.35	3618	3296	6	5.92	7
105J_1989_1360	0	3.1	3	385	356	0.11	10.6	30	11.0	<0.2	0.37	1998	2177	5	5.41	6
105J_1989_1362	0	3.2	4	392	359	0.15	12.2	38	5.3	<0.2	0.49	990	1030	6	6.54	8
105J_1989_1363	0	3.3	3	93	71	0.09	7.5	32	14.7	<0.2	0.31	653	574	<2	1.46	3
105J_1989_1364	0	2.8	4	187	162	0.15	12.6	36	5.7	<0.2	0.48	868	820	<2	2.89	3
105J_1989_1365	0	3.2	4	183	177	0.15	14.7	39	6.0	<0.2	0.55	542	524	<2	1.99	<1
105J_1989_1366	1	2.7	3	112	120	0.12	7.8	27	12.1	<0.2	0.30	1422	1488	2	2.72	2
105J_1989_1367	2	3.1	4	134	149	0.12	9.0	30	13.6	<0.2	0.33	1854	2219	<2	3.19	2

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1331	0	0.005	0.24	72	68.5	0.161	10	12.91	100	0.19	5.0	5.56	8.2	2.8	9.0	27.4
105J_1989_1332	1	0.006	0.54	185	177.9	0.237	7	11.22	99	0.08	3.8	3.72	5.3	2.5	10.0	5.5
105J_1989_1333	2	0.005	0.56	173	147.4	0.198	10	10.28	97	0.06	3.3	3.28	5.1	2.2	10.0	4.4
105J_1989_1335	0	0.009	0.55	107	102.2	0.157	9	12.57	84	0.09	2.0	2.14	3.5	2.3	8.8	2.7
105J_1989_1336	0	0.003	0.21	110	106.4	0.134	13	14.08	76	0.10	3.2	3.25	5.0	2.2	7.3	4.3
105J_1989_1337	0	0.007	0.42	205	187.4	0.258	12	13.02	96	0.11	3.5	3.53	5.5	2.4	8.2	5.4
105J_1989_1338	0	0.006	0.40	164	154.2	0.278	12	13.98	96	0.08	5.0	4.92	8.1	2.5	8.8	7.0
105J_1989_1339	0	0.004	0.32	116	107.7	0.187	12	14.54	110	0.11	12.0	10.85	16.9	2.5	10.0	7.6
105J_1989_1340	0	0.006	0.40	75	68.4	0.147	13	14.97	110	0.06	3.6	2.52	4.3	2.4	10.0	2.5
105J_1989_1342	1	0.005	0.45	94	87.4	0.158	10	14.27	100	0.07	5.0	5.33	8.0	2.4	10.0	4.1
105J_1989_1343	2	0.004	0.50	87	76.6	0.145	9	13.10	100	0.06	6.0	5.03	8.2	2.3	11.0	3.4
105J_1989_1344	0	0.011	0.48	95	87.9	0.333	5	6.63	53	0.21	2.1	4.37	4.9	1.0	5.3	6.8
105J_1989_1345	0	0.008	0.91	49	45.0	0.139	9	11.75	110	0.08	1.1	0.84	1.4	2.5	11.0	1.8
105J_1989_1346	0	0.008	0.66	47	41.1	0.154	8	13.38	99	0.13	1.1	1.36	2.0	2.3	10.0	2.0
105J_1989_1347	0	0.007	0.75	26	23.5	0.135	9	11.53	120	0.07	0.8	0.60	1.1	2.3	12.0	1.1
105J_1989_1348	0	0.005	0.41	33	28.1	0.144	9	11.19	97	0.06	1.3	1.05	2.0	2.2	8.7	1.9
105J_1989_1349	0	0.005	0.36	35	33.0	0.144	10	12.88	110	0.05	2.8	1.29	2.4	2.8	8.9	1.4
105J_1989_1350	0	0.007	0.34	261	250.5	0.178	8	9.43	87	0.11	2.3	2.07	3.5	3.5	7.6	4.4
105J_1989_1351	0	0.007	0.50	30	22.8	0.162	7	8.36	95	0.13	1.5	1.18	2.4	1.8	7.4	5.5
105J_1989_1352	0	0.007	0.70	54	50.3	0.167	7	9.66	110	0.08	1.7	1.25	2.7	2.4	11.0	3.1
105J_1989_1354	0	0.008	0.48	102	92.3	0.283	7	7.64	87	0.13	1.2	1.40	2.4	2.9	8.7	4.8
105J_1989_1355	0	0.005	0.45	74	60.0	0.148	7	10.00	110	0.05	3.6	2.17	4.7	2.4	10.0	2.5
105J_1989_1356	0	0.004	0.17	274	298.3	0.293	11	12.85	84	0.53	6.0	3.80	6.7	3.8	8.7	9.6
105J_1989_1357	0	0.006	0.12	24	18.2	0.092	<2	2.10	10	1.42	0.8	1.34	1.4	0.5	1.4	4.0
105J_1989_1358	0	0.006	0.28	66	60.1	0.272	11	12.52	110	0.06	5.0	3.66	6.3	2.6	10.0	3.0
105J_1989_1359	0	0.004	0.33	80	75.7	0.244	8	9.86	97	0.07	4.0	2.80	4.8	2.6	9.0	3.1
105J_1989_1360	0	0.005	0.44	74	65.7	0.154	7	10.33	110	0.05	2.8	1.98	4.1	2.4	8.3	2.9
105J_1989_1362	0	0.004	0.30	68	62.7	0.198	9	12.41	110	0.10	3.6	2.85	5.1	3.1	9.3	4.0
105J_1989_1363	0	0.013	1.20	23	19.6	0.104	7	9.97	120	0.07	0.6	0.41	1.0	1.6	10.0	0.8
105J_1989_1364	0	0.004	0.35	43	36.3	0.151	9	11.70	110	0.05	2.0	1.18	2.6	2.9	10.0	1.6
105J_1989_1365	0	0.005	0.41	36	35.5	0.154	9	11.84	110	0.06	1.6	1.04	2.1	3.6	10.0	1.5
105J_1989_1366	1	0.005	0.33	36	33.3	0.150	8	10.27	110	0.07	1.7	1.30	2.5	1.9	8.6	1.7
105J_1989_1367	2	0.006	0.34	37	36.4	0.155	8	12.56	110	0.07	1.5	1.33	2.4	2.3	8.8	1.8

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1331	0	5.3	<1	66.0	0.9	1.0	0.08	2.0	7.1	0.004	0.33	5.5	10.0	8.3	98	114
105J_1989_1332	1	5.8	3	79.3	1.0	1.2	0.07	1.1	7.9	0.005	0.39	6.7	10.0	9.8	109	121
105J_1989_1333	2	5.7	2	70.7	1.0	1.1	0.06	1.0	7.6	0.005	0.32	6.5	11.0	10.1	118	103
105J_1989_1335	0	5.0	3	95.6	0.8	0.9	0.08	1.0	6.9	0.006	0.25	7.0	11.0	9.8	65	73
105J_1989_1336	0	5.5	2	125.6	0.9	0.8	0.11	1.0	5.7	0.004	0.23	12.8	17.0	15.1	64	68
105J_1989_1337	0	5.3	5	69.1	0.9	0.9	0.10	1.0	7.2	0.006	0.45	6.5	10.0	9.7	90	119
105J_1989_1338	0	6.6	7	91.2	1.1	1.0	0.10	1.0	8.1	0.006	0.52	11.0	18.0	14.1	151	181
105J_1989_1339	0	7.2	4	119.0	1.0	1.4	0.13	1.0	7.9	0.005	0.67	13.3	20.3	17.8	294	295
105J_1989_1340	0	5.8	5	56.3	1.1	1.0	0.09	1.1	8.0	0.006	0.23	3.6	7.8	6.4	61	66
105J_1989_1342	1	5.8	4	86.6	0.7	0.9	0.08	1.1	7.6	0.005	0.35	6.8	11.0	10.1	90	100
105J_1989_1343	2	6.2	4	83.4	0.9	1.1	0.11	1.2	7.6	0.006	0.33	6.2	12.0	9.4	96	101
105J_1989_1344	0	2.3	6	71.5	<0.5	<0.5	0.06	0.5	4.2	0.005	0.28	11.3	12.0	11.7	95	113
105J_1989_1345	0	5.8	6	62.5	1.1	0.8	0.03	3.6	11.0	0.004	0.12	2.4	5.5	4.8	31	30
105J_1989_1346	0	5.2	6	89.9	1.0	0.7	0.03	1.9	10.0	0.004	0.14	2.5	5.2	4.7	41	37
105J_1989_1347	0	6.5	5	57.3	1.2	0.9	<0.02	4.3	12.0	0.002	0.12	1.5	5.2	4.7	23	23
105J_1989_1348	0	5.7	5	64.2	0.9	0.8	0.02	2.5	10.0	0.003	0.12	2.8	5.7	5.3	46	44
105J_1989_1349	0	5.8	5	63.1	1.1	0.9	0.04	3.1	10.0	0.005	0.15	2.0	5.0	4.3	48	49
105J_1989_1350	0	4.4	8	105.8	1.1	0.7	0.07	1.7	6.7	0.005	0.25	5.2	8.6	8.1	67	63
105J_1989_1351	0	4.1	5	69.3	0.8	0.7	0.04	1.3	6.9	0.005	0.16	2.3	5.7	5.1	74	67
105J_1989_1352	0	5.7	5	74.9	0.9	1.1	0.06	0.8	8.0	0.007	0.22	7.0	11.0	9.8	80	87
105J_1989_1354	0	4.3	7	98.8	0.7	0.8	0.07	1.5	6.3	0.006	0.24	5.1	8.0	7.3	77	84
105J_1989_1355	0	5.8	4	66.8	1.1	1.0	0.05	1.5	8.5	0.006	0.24	5.5	11.0	9.1	107	112
105J_1989_1356	0	4.6	3	42.4	0.7	0.9	0.13	2.8	6.2	0.005	0.67	9.9	11.0	11.6	169	188
105J_1989_1357	0	0.9	8	109.1	<0.5	<0.5	0.02	0.2	1.0	0.006	0.05	1.8	2.1	2.5	30	21
105J_1989_1358	0	6.4	7	95.2	1.1	1.1	0.08	2.8	9.0	0.011	0.27	4.7	9.4	8.1	94	100
105J_1989_1359	0	6.7	5	98.1	1.0	1.2	0.08	2.4	8.5	0.007	0.27	3.8	8.0	6.9	99	86
105J_1989_1360	0	6.0	6	59.8	1.0	1.2	0.10	1.0	8.0	0.006	0.30	4.4	8.7	7.9	100	104
105J_1989_1362	0	6.6	5	85.8	1.1	1.1	0.07	2.6	10.0	0.007	0.30	4.3	9.4	7.4	95	107
105J_1989_1363	0	4.8	4	33.9	1.1	0.8	<0.02	0.7	10.0	0.004	0.10	1.3	4.4	4.2	25	29
105J_1989_1364	0	5.7	5	66.8	1.1	0.9	0.06	2.4	10.0	0.005	0.19	2.1	6.3	5.0	50	56
105J_1989_1365	0	6.2	6	64.7	1.2	1.0	0.08	3.6	11.0	0.006	0.17	1.8	5.7	5.1	42	46
105J_1989_1366	1	4.4	5	69.4	0.9	0.7	0.04	0.9	8.5	0.006	0.14	1.8	4.4	4.3	61	63
105J_1989_1367	2	4.8	5	75.8	0.8	0.7	0.05	1.3	9.2	0.006	0.15	2.4	5.2	4.6	57	64

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1331	0	<0.1	2	34.93	<2	493	487.8
105J_1989_1332	1	0.1	1	13.98	4	1340	1345.8
105J_1989_1333	2	<0.1	2	28.53	3	1160	1057.9
105J_1989_1335	0	<0.1	1	18.14	3	728	659.8
105J_1989_1336	0	<0.1	1	34.14	3	357	381.0
105J_1989_1337	0	0.1	<1	33.19	2	1190	1179.7
105J_1989_1338	0	0.2	1	36.06	3	1150	1134.2
105J_1989_1339	0	0.1	2	33.88	5	792	715.7
105J_1989_1340	0	<0.1	<1	27.49	2	541	509.1
105J_1989_1342	1	<0.1	1	19.63	3	699	620.1
105J_1989_1343	2	<0.1	2	41.81	4	616	519.5
105J_1989_1344	0	<0.1	<1	16.98	<2	669	561.9
105J_1989_1345	0	<0.1	<1	34.09	3	258	245.8
105J_1989_1346	0	<0.1	<1	28.86	3	255	239.7
105J_1989_1347	0	<0.1	1	34.32	2	168	153.8
105J_1989_1348	0	<0.1	1	33.48	3	200	173.9
105J_1989_1349	0	<0.1	2	34.45	2	173	176.9
105J_1989_1350	0	<0.1	1	19.84	<2	1330	1227.3
105J_1989_1351	0	<0.1	<1	26.81	<2	177	165.6
105J_1989_1352	0	<0.1	1	26.78	3	270	267.8
105J_1989_1354	0	<0.1	<1	24.77	2	254	455.3
105J_1989_1355	0	<0.1	2	35.57	3	424	380.9
105J_1989_1356	0	<0.1	2	21.49	3	1240	1124.8
105J_1989_1357	0	<0.1	<1	13.20	<2	92	81.5
105J_1989_1358	0	1.0	3	37.53	3	484	428.0
105J_1989_1359	0	0.1	2	42.31	3	435	390.9
105J_1989_1360	0	<0.1	1	33.58	3	421	370.7
105J_1989_1362	0	<0.1	3	28.23	3	380	358.7
105J_1989_1363	0	<0.1	<1	30.08	2	140	125.4
105J_1989_1364	0	<0.1	<1	38.92	3	193	173.9
105J_1989_1365	0	<0.1	1	40.23	2	152	156.9
105J_1989_1366	1	<0.1	2	15.55	<2	227	199.7
105J_1989_1367	2	0.1	2	30.03	2	216	209.3

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1368	0	0.2	340	0.77	7	7.9	11.0	5			4	620.5	2900	0.14	2.5	0.72
105J_1989_1369	0	0.3	160	0.69	5	5.9	8.7	3			2	202.4	1700	0.14	5.0	0.63
105J_1989_1370	0	<0.2	344	1.02	5	6.2	8.5	6			2	365.0	2400	0.16	5.4	0.73
105J_1989_1371	0	<0.2	161	0.74	2	3.1	5.2	4			2	231.5	2000	0.10	2.9	0.39
105J_1989_1372	0	0.9	1066	1.18	18	20.6	35.0	17	16	24.06	2	613.9	4500	0.49	2.8	0.35
105J_1989_1373	0	1.3	1637	1.19	58	62.8	82.9	35	33	26.67	2	1225.4	5200	0.27	6.7	0.28
105J_1989_1374	0	<0.2	222	0.83	7	9.1	13.0	5			1	342.8	2200	0.19	2.5	0.35
105J_1989_1375	0	0.2	307	0.47	2	<0.1	3.6	3			4	323.6	780	0.06	17.0	0.95
105J_1989_1376	0	0.9	944	1.20	12	18.0	23.0	17	13	26.92	4	883.0	5990	0.21	7.3	0.66
105J_1989_1377	0	0.4	682	0.76	20	29.1	35.0	8			4	1469.7	3600	0.44	4.4	0.64
105J_1989_1378	0	0.2	915	1.94	210	300.4	323.0	7			4	1005.0	2500	3.93	19.0	0.80
105J_1989_1379	0	0.2	404	1.13	18	22.1	30.0	9			3	293.2	1600	1.79	4.9	0.55
105J_1989_1382	1	<0.2	275	1.26	6	8.7	10.0	6			3	298.7	1600	0.29	2.9	0.34
105J_1989_1383	2	0.4	382	1.43	6	9.0	11.0	5			5	317.4	1300	0.32	6.6	0.52
105J_1989_1384	0	<0.2	269	1.01	11	14.7	21.0	6			3	364.4	2400	0.26	1.3	0.47
105J_1989_1385	0	<0.2	87	0.31	<1	0.6	1.2	<2			8	336.8	490	0.02	21.0	2.08
105J_1989_1386	0	<0.2	102	1.15	3	4.4	6.8	2			3	268.2	1600	0.19	3.6	0.36
105J_1989_1387	0	<0.2	225	0.70	2	3.5	5.2	2			2	276.0	1100	0.15	9.2	1.26
105J_1989_1388	0	<0.2	257	0.78	6	7.5	10.0	3			2	301.1	1300	0.18	7.3	0.87
105J_1989_1390	0	<0.2	83	0.31	<1	0.4	1.3	<2			7	370.3	670	0.03	17.0	2.15
105J_1989_1391	0	<0.2	213	0.90	8	9.9	14.0	4			3	432.8	1800	0.22	6.7	0.57
105J_1989_1392	0	<0.2	59	0.95	<1	0.6	1.9	<2			2	75.0	790	0.04	14.0	0.75
105J_1989_1393	0	<0.2	107	0.91	2	3.3	4.2	3			3	294.8	950	0.13	6.0	0.63
105J_1989_1394	0	<0.2	124	1.12	2	4.0	5.2	<2			4	302.4	810	0.15	8.3	0.62
105J_1989_1395	0	<0.2	132	0.86	2	3.7	5.4	<2			3	257.1	1100	0.17	5.4	0.74
105J_1989_1396	0	<0.2	49	0.57	3	4.7	8.1	<2			<1	124.7	690	0.11	2.6	0.26
105J_1989_1397	0	<0.2	120	0.95	2	3.5	4.9	<2			1	262.6	800	0.16	8.1	0.83
105J_1989_1398	0	<0.2	114	1.01	3	5.3	6.9	<2			3	276.6	700	0.20	11.0	0.86
105J_1989_1399	0	<0.2	156	0.74	8	9.4	13.0	<2			2	197.6	990	0.30	5.9	0.32
105J_1989_1400	0	<0.2	325	1.16	7	8.5	11.0	5			2	465.6	1600	0.28	6.3	0.51
105J_1989_1402	0	<0.2	217	0.96	5	7.0	9.5	8			2	346.7	1800	0.19	1.9	0.40
105J_1989_1403	0	0.6	292	1.30	8	12.0	15.0	9			3	417.0	1800	0.27	4.5	0.48
105J_1989_1405	0	<0.2	344	1.14	9	11.8	16.0	9			2	646.3	2200	0.28	5.5	0.38

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1368	0	1.8	1.61	51	10	7.5	11	15.2	53	3.3	44	41.67	<1	610	1.99	1.77	2.4
105J_1989_1369	0	0.7	0.71	99	8	7.8	11	10.6	63	3.8	24	22.49	<1	490	1.90	1.44	2.3
105J_1989_1370	0	1.6	1.44	87	11	10.0	12	14.5	64	5.1	45	41.93	2	592	2.46	2.07	2.9
105J_1989_1371	0	0.6	0.64	80	11	7.0	11	10.7	46	3.3	24	20.75	2	416	1.98	1.50	2.1
105J_1989_1372	0	6.9	5.31	53	12	10.8	14	26.0	80	5.2	103	86.40	1	577	2.16	1.70	2.3
105J_1989_1373	0	3.7	3.76	67	16	16.9	20	24.6	92	5.5	111	98.30	2	504	3.91	4.17	5.6
105J_1989_1374	0	1.5	1.30	88	14	13.4	18	13.1	60	4.7	40	36.60	2	396	2.64	2.42	3.6
105J_1989_1375	0	5.8	4.86	23	4	2.6	<5	8.6	21	1.6	62	58.54	<1	272	1.08	0.69	0.9
105J_1989_1376	0	7.6	8.22	61	18	18.6	21	21.5	89	4.9	90	95.44	2	525	3.35	3.38	4.6
105J_1989_1377	0	9.9	8.96	62	28	32.2	36	13.9	58	4.4	96	92.38	1	248	2.48	2.26	2.9
105J_1989_1378	0	3.2	2.53	56	12	11.4	14	26.9	80	13.0	82	70.77	<1	407	3.66	3.36	4.1
105J_1989_1379	0	1.0	0.69	64	11	8.7	14	14.5	65	8.9	55	46.15	<1	412	1.78	1.31	2.2
105J_1989_1382	1	0.7	0.77	62	12	9.8	13	17.5	59	5.0	48	44.99	<1	522	2.43	1.85	2.3
105J_1989_1383	2	2.0	1.59	53	12	10.7	10	15.9	36	5.5	81	69.93	<1	439	1.90	1.49	1.8
105J_1989_1384	0	1.3	1.29	63	17	16.9	21	17.7	51	4.3	54	53.82	2	788	2.69	2.43	3.3
105J_1989_1385	0	0.8	0.69	12	2	1.0	<5	3.4	<20	<0.5	23	20.49	<1	71	0.66	0.51	0.8
105J_1989_1386	0	<0.2	0.28	87	12	12.2	20	21.5	83	5.3	31	29.72	<1	431	2.78	2.62	4.4
105J_1989_1387	0	0.7	0.80	48	7	5.6	10	9.6	31	3.5	29	26.53	<1	278	1.95	1.65	2.7
105J_1989_1388	0	1.1	1.04	60	10	9.0	12	11.7	55	3.8	34	32.95	<1	396	2.99	2.48	3.4
105J_1989_1390	0	4.4	3.30	16	3	1.8	<5	4.4	<20	<0.5	25	20.62	<1	106	0.52	0.44	0.9
105J_1989_1391	0	0.7	0.91	83	15	12.9	18	16.2	67	4.1	34	32.39	<1	448	2.92	2.85	4.0
105J_1989_1392	0	<0.2	0.20	36	3	1.9	6	5.7	<20	1.7	18	17.34	1	304	0.56	0.52	2.1
105J_1989_1393	0	0.3	0.51	56	12	9.2	15	21.4	42	2.9	31	29.28	<1	365	2.44	1.87	2.7
105J_1989_1394	0	0.4	0.60	49	13	10.3	13	25.0	44	3.0	27	25.23	<1	396	2.49	1.95	2.5
105J_1989_1395	0	0.3	0.37	47	12	9.9	14	19.9	49	3.3	30	26.20	<1	363	2.17	1.77	2.4
105J_1989_1396	0	<0.2	0.14	60	11	8.7	17	12.4	58	3.5	18	15.46	1	362	2.34	1.93	3.3
105J_1989_1397	0	0.4	0.58	59	12	10.1	18	16.1	61	4.9	24	23.68	<1	385	2.50	2.21	3.4
105J_1989_1398	0	0.2	0.49	54	9	7.8	11	17.5	36	3.6	22	21.46	<1	413	5.17	4.98	6.4
105J_1989_1399	0	0.5	0.62	66	17	14.7	22	13.3	42	5.9	40	37.90	<1	548	2.93	2.85	3.9
105J_1989_1400	0	1.0	1.03	53	15	14.2	20	20.1	54	5.8	43	42.34	<1	603	2.98	2.74	3.5
105J_1989_1402	0	0.7	0.62	54	9	9.7	16	19.8	74	3.7	30	31.82	<1	466	1.92	1.83	2.7
105J_1989_1403	0	1.0	0.97	54	12	14.0	23	24.7	72	5.1	56	60.01	1	630	2.70	2.63	3.7
105J_1989_1405	0	2.1	1.67	53	11	11.2	18	17.1	64	4.6	60	54.95	<1	610	2.40	2.40	3.4

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1368	0	2.4	3	164	146	0.13	10.3	29	8.3	<0.2	0.30	351	326	<2	2.01	<1
105J_1989_1369	0	2.0	6	112	92	0.08	12.2	50	10.0	<0.2	0.26	156	155	<2	0.53	<1
105J_1989_1370	0	2.5	6	134	124	0.10	15.3	44	10.8	<0.2	0.49	438	425	<2	1.92	<1
105J_1989_1371	0	2.2	5	86	71	0.08	11.7	41	7.2	<0.2	0.27	226	200	<2	0.36	<1
105J_1989_1372	0	3.5	3	288	251	0.11	16.8	32	11.7	<0.2	0.64	624	586	4	3.15	3
105J_1989_1373	0	3.0	4	274	270	0.14	18.8	39	11.1	<0.2	0.26	2052	3174	16	15.00	17
105J_1989_1374	0	2.4	7	94	67	0.10	10.9	46	5.0	<0.2	0.30	672	651	2	2.24	1
105J_1989_1375	0	1.2	1	277	248	0.06	4.6	12	51.8	<0.2	0.27	259	199	6	6.55	6
105J_1989_1376	0	2.9	4	277	356	0.13	15.8	36	6.8	<0.2	0.50	1350	1898	7	6.76	7
105J_1989_1377	0	2.7	5	310	331	0.11	13.1	33	8.4	<0.2	0.33	>20000	>10000	23	24.21	26
105J_1989_1378	0	4.8	2	241	233	0.21	14.8	26	37.6	<0.2	0.40	792	579	4	3.00	3
105J_1989_1379	0	3.0	4	155	134	0.11	15.2	38	14.2	<0.2	0.33	248	123	<2	0.71	<1
105J_1989_1382	1	3.5	3	176	135	0.11	11.0	33	13.2	<0.2	0.42	158	161	<2	0.88	<1
105J_1989_1383	2	3.5	3	227	184	0.13	10.2	26	26.2	<0.2	0.37	218	199	<2	0.90	<1
105J_1989_1384	0	3.3	4	176	190	0.14	14.9	36	4.8	<0.2	0.70	1062	1091	2	2.98	4
105J_1989_1385	0	0.6	<1	144	130	0.02	1.6	4	79.6	<0.2	0.15	630	550	<2	0.53	2
105J_1989_1386	0	3.7	5	90	88	0.13	12.1	47	7.4	<0.2	0.53	430	484	<2	0.66	<1
105J_1989_1387	0	2.1	3	186	150	0.07	4.9	27	28.4	<0.2	0.17	635	535	<2	0.41	1
105J_1989_1388	0	2.3	4	241	193	0.09	6.0	32	18.8	<0.2	0.20	1170	975	<2	0.95	2
105J_1989_1390	0	0.5	<1	108	89	0.01	1.3	6	72.2	<0.2	0.42	1638	1256	<2	0.77	3
105J_1989_1391	0	2.7	6	144	141	0.10	10.4	41	10.0	<0.2	0.41	1512	1724	<2	1.36	2
105J_1989_1392	0	2.7	2	50	41	0.04	4.5	20	20.8	<0.2	0.12	80	77	<2	0.29	3
105J_1989_1393	0	3.1	5	104	99	0.07	8.5	35	19.0	<0.2	0.38	348	321	<2	0.53	1
105J_1989_1394	0	3.7	4	112	84	0.09	8.8	30	25.8	<0.2	0.36	712	652	<2	0.68	2
105J_1989_1395	0	2.9	5	122	94	0.09	8.4	34	17.2	<0.2	0.30	339	326	<2	0.36	1
105J_1989_1396	0	2.0	6	94	60	0.07	6.1	43	7.0	<0.2	0.23	266	284	<2	0.26	1
105J_1989_1397	0	2.8	5	148	103	0.11	8.2	41	17.4	<0.2	0.27	974	794	<2	0.27	1
105J_1989_1398	0	3.2	5	176	137	0.10	7.4	36	17.2	<0.2	0.26	514	477	<2	0.62	2
105J_1989_1399	0	2.3	4	198	140	0.12	8.1	42	8.2	<0.2	0.23	923	880	<2	2.26	3
105J_1989_1400	0	3.3	5	216	191	0.16	12.1	37	9.8	<0.2	0.43	1188	1237	2	1.74	3
105J_1989_1402	0	3.2	6	97	83	0.11	14.6	41	5.6	<0.2	0.43	345	357	<2	1.52	3
105J_1989_1403	0	3.9	5	151	153	0.15	17.8	42	7.4	<0.2	0.61	1116	1227	<2	2.71	4
105J_1989_1405	0	3.2	6	180	162	0.14	12.8	41	7.8	<0.2	0.46	1080	1093	2	2.68	4

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1368	0	0.006	0.33	35	32.3	0.163	9	11.53	98	0.07	1.7	1.65	2.8	2.2	7.5	1.7
105J_1989_1369	0	0.006	0.63	23	21.6	0.088	8	11.59	120	0.07	2.3	2.09	3.8	1.8	8.9	0.8
105J_1989_1370	0	0.007	0.61	33	30.4	0.128	14	13.44	110	0.07	1.3	1.18	2.2	2.4	10.0	1.5
105J_1989_1371	0	0.007	0.56	22	19.5	0.093	6	8.27	100	0.09	0.6	0.39	1.0	1.5	7.7	0.7
105J_1989_1372	0	0.007	0.56	89	78.5	0.108	21	27.02	110	0.14	4.0	3.82	6.9	2.6	8.4	5.2
105J_1989_1373	0	0.007	0.55	78	82.2	0.316	53	51.09	100	0.29	11.0	9.54	16.5	1.6	10.0	5.6
105J_1989_1374	0	0.005	0.46	34	31.1	0.121	17	16.86	110	0.06	1.9	1.14	2.7	2.1	11.0	1.3
105J_1989_1375	0	0.007	0.23	28	24.9	0.117	2	5.20	33	0.93	0.8	1.55	1.5	1.3	3.1	15.6
105J_1989_1376	0	0.006	0.48	91	99.6	0.162	12	15.21	110	0.15	4.0	3.50	6.2	3.0	11.0	4.1
105J_1989_1377	0	0.011	0.62	256	285.9	0.106	13	15.70	100	0.06	3.6	3.06	4.6	2.3	8.9	2.7
105J_1989_1378	0	0.010	0.33	62	52.3	0.143	32	34.24	140	0.17	8.0	4.88	9.5	3.5	12.0	18.7
105J_1989_1379	0	0.013	0.87	30	22.6	0.067	23	20.49	120	0.17	2.9	2.19	5.0	2.3	11.0	2.3
105J_1989_1382	1	0.011	0.66	30	28.0	0.090	10	13.45	100	0.15	1.2	0.54	1.6	3.4	10.0	1.3
105J_1989_1383	2	0.012	0.44	39	31.9	0.078	11	12.71	90	0.31	0.8	0.57	1.4	3.1	8.6	1.7
105J_1989_1384	0	0.008	0.54	36	36.3	0.120	12	16.33	110	0.11	2.2	1.46	3.3	3.3	9.1	1.4
105J_1989_1385	0	0.012	0.24	7	5.7	0.112	<2	2.09	8	0.69	0.2	0.40	0.5	0.8	1.9	0.9
105J_1989_1386	0	0.007	1.00	28	28.7	0.070	9	13.76	130	0.06	0.4	0.29	0.8	3.2	14.0	0.4
105J_1989_1387	0	0.015	1.20	18	15.8	0.075	8	9.30	85	0.24	0.4	0.48	0.9	2.1	7.9	1.8
105J_1989_1388	0	0.014	0.93	24	23.0	0.071	10	13.30	90	0.15	0.8	0.68	1.3	2.8	9.1	1.6
105J_1989_1390	0	0.019	0.54	16	12.9	0.069	<2	1.00	16	0.88	0.3	0.50	0.6	0.7	2.2	1.5
105J_1989_1391	0	0.008	0.83	29	27.5	0.079	14	15.43	110	0.10	1.0	0.62	1.5	3.2	11.0	1.1
105J_1989_1392	0	0.043	2.20	6	5.8	0.113	<2	2.44	46	0.22	0.2	0.12	0.4	1.0	7.1	0.6
105J_1989_1393	0	0.012	1.00	28	26.5	0.073	5	9.41	60	0.26	0.4	0.35	0.6	2.6	11.0	1.1
105J_1989_1394	0	0.015	0.70	29	27.2	0.081	8	10.51	59	0.37	0.3	0.27	0.5	2.5	8.9	1.0
105J_1989_1395	0	0.012	0.78	25	24.6	0.071	8	11.04	70	0.17	0.4	0.30	0.8	2.8	10.0	0.7
105J_1989_1396	0	0.007	1.00	19	17.6	0.049	7	9.49	76	0.07	0.3	0.17	0.6	2.1	12.0	0.4
105J_1989_1397	0	0.012	1.00	25	24.3	0.065	9	11.96	99	0.14	0.3	0.16	0.5	2.9	13.0	0.6
105J_1989_1398	0	0.011	0.77	19	20.3	0.085	9	14.03	80	0.16	0.3	0.17	0.5	3.3	12.0	1.3
105J_1989_1399	0	0.006	0.40	29	29.0	0.058	21	23.04	97	0.07	1.1	0.55	1.4	3.2	15.0	0.9
105J_1989_1400	0	0.007	0.41	30	32.5	0.087	12	15.17	94	0.07	1.1	0.69	1.7	3.7	13.0	1.3
105J_1989_1402	0	0.009	1.00	23	24.5	0.106	9	10.64	77	0.04	0.9	0.84	1.8	2.6	12.0	0.9
105J_1989_1403	0	0.007	0.58	33	34.7	0.131	11	14.69	78	0.07	1.5	1.15	2.3	3.3	13.0	1.6
105J_1989_1405	0	0.006	0.53	46	38.9	0.110	11	12.63	78	0.06	2.0	1.36	2.7	2.6	12.0	1.5

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1368	0	4.8	4	83.5	0.9	0.8	0.08	2.5	7.9	0.007	0.15	1.8	4.4	4.0	58	55
105J_1989_1369	0	7.2	5	52.1	1.2	1.1	0.03	3.5	14.0	0.003	0.08	1.4	4.6	4.1	23	24
105J_1989_1370	0	6.8	6	58.3	1.1	1.0	<0.02	2.8	12.0	0.004	0.13	1.7	4.9	4.4	28	26
105J_1989_1371	0	6.4	2	51.6	1.0	1.0	0.03	3.5	11.0	0.004	0.08	1.3	4.3	3.8	26	24
105J_1989_1372	0	5.8	4	64.0	0.9	1.1	0.09	2.6	8.7	0.015	0.45	15.8	21.2	18.9	129	133
105J_1989_1373	0	7.8	5	161.0	1.0	1.1	0.26	0.6	8.3	0.007	0.48	5.3	9.2	8.1	101	94
105J_1989_1374	0	7.1	3	44.3	1.1	1.1	<0.02	3.3	13.0	0.004	0.12	2.0	5.7	5.1	41	36
105J_1989_1375	0	1.7	2	51.7	<0.5	<0.5	<0.02	0.9	3.4	0.004	0.11	7.5	8.0	8.5	25	20
105J_1989_1376	0	5.8	4	85.4	0.9	0.9	0.08	1.8	8.9	0.006	0.45	7.9	11.0	9.7	84	81
105J_1989_1377	0	5.3	4	77.4	0.9	0.9	0.06	2.7	9.2	0.012	0.65	2.8	5.6	4.8	47	39
105J_1989_1378	0	4.3	4	107.0	0.5	0.6	0.07	2.4	10.0	0.008	0.29	2.7	4.6	4.8	54	47
105J_1989_1379	0	5.4	4	52.9	1.2	1.0	<0.02	1.8	11.0	0.011	0.19	1.7	4.6	4.6	39	28
105J_1989_1382	1	4.9	4	47.1	1.2	0.8	0.04	2.6	9.3	0.003	0.19	1.4	4.3	4.5	36	34
105J_1989_1383	2	4.7	3	61.3	0.7	0.8	0.02	1.7	7.9	0.003	0.24	1.6	3.7	4.4	39	32
105J_1989_1384	0	5.5	4	61.4	1.2	1.0	0.05	3.8	10.0	0.007	0.20	1.7	6.2	4.8	50	48
105J_1989_1385	0	0.8	5	218.6	<0.5	<0.5	<0.02	0.1	1.1	0.008	0.02	0.4	0.5	0.7	20	10
105J_1989_1386	0	6.3	3	35.1	1.4	0.9	<0.02	3.7	12.0	0.013	0.10	0.8	4.3	3.7	28	29
105J_1989_1387	0	3.7	6	94.6	0.6	0.6	0.03	1.0	8.0	0.007	0.11	1.5	3.5	3.7	25	21
105J_1989_1388	0	4.4	5	81.9	0.9	0.7	0.05	1.9	9.2	0.006	0.14	1.4	3.8	4.1	31	24
105J_1989_1390	0	0.8	3	303.1	<0.5	<0.5	<0.02	0.2	1.5	0.007	0.03	0.5	0.8	1.0	19	7
105J_1989_1391	0	5.8	5	52.6	1.2	1.0	0.03	2.9	12.0	0.006	0.13	1.1	4.6	4.3	30	28
105J_1989_1392	0	2.9	5	43.7	<0.5	<0.5	0.02	0.2	5.0	0.025	0.03	1.1	2.8	2.9	18	16
105J_1989_1393	0	4.2	3	54.3	1.1	0.8	0.02	2.0	8.9	0.017	0.10	1.6	4.0	4.5	31	23
105J_1989_1394	0	3.8	3	59.1	1.1	0.6	<0.02	1.4	7.3	0.013	0.11	1.1	3.0	3.4	33	28
105J_1989_1395	0	4.8	4	54.7	1.2	0.8	0.02	2.5	10.0	0.014	0.09	1.0	3.8	3.6	30	24
105J_1989_1396	0	5.2	2	21.3	1.2	0.9	0.05	2.8	12.0	0.012	0.07	0.4	3.5	2.9	21	16
105J_1989_1397	0	5.4	5	70.8	1.0	1.1	0.03	2.1	12.0	0.006	0.10	0.8	3.5	3.1	22	21
105J_1989_1398	0	4.4	5	51.7	1.0	0.9	0.02	2.6	10.0	0.010	0.12	1.2	3.3	3.5	26	22
105J_1989_1399	0	5.3	3	30.3	1.1	1.1	0.05	2.3	12.0	0.003	0.12	1.0	4.6	4.3	32	24
105J_1989_1400	0	5.2	4	50.3	1.3	0.9	0.04	2.5	11.0	0.007	0.20	1.3	4.5	4.6	44	39
105J_1989_1402	0	5.3	3	39.2	1.4	1.0	0.06	2.0	9.4	0.017	0.13	1.5	4.9	4.3	32	41
105J_1989_1403	0	5.4	3	55.7	1.5	1.2	0.06	1.8	9.1	0.009	0.19	1.6	5.4	5.1	53	53
105J_1989_1405	0	5.2	8	51.7	1.0	1.1	0.10	1.6	9.2	0.009	0.20	2.2	6.1	5.8	68	49

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1368	0	<0.1	<1	27.58	<2	196	195.0
105J_1989_1369	0	0.5	1	29.32	3	120	117.2
105J_1989_1370	0	<0.1	2	26.48	2	177	167.6
105J_1989_1371	0	<0.1	1	25.04	2	129	115.2
105J_1989_1372	0	<0.1	<1	28.93	3	818	653.7
105J_1989_1373	0	0.1	2	30.25	3	270	272.6
105J_1989_1374	0	<0.1	<1	38.40	3	191	187.9
105J_1989_1375	0	<0.1	<1	13.48	<2	139	139.2
105J_1989_1376	0	0.1	2	30.43	4	790	805.2
105J_1989_1377	0	1.9	3	32.80	3	395	365.4
105J_1989_1378	0	5.6	10	11.49	<2	200	168.4
105J_1989_1379	0	2.1	6	29.40	3	137	115.2
105J_1989_1382	1	0.2	2	13.69	<2	115	114.2
105J_1989_1383	2	0.2	2	12.41	<2	137	119.3
105J_1989_1384	0	0.1	1	40.57	2	117	126.0
105J_1989_1385	0	<0.1	<1	13.13	<2	51	49.1
105J_1989_1386	0	<0.1	2	41.15	3	97	99.1
105J_1989_1387	0	<0.1	<1	23.46	<2	101	92.0
105J_1989_1388	0	<0.1	<1	26.35	<2	132	126.9
105J_1989_1390	0	<0.1	<1	13.22	<2	114	100.4
105J_1989_1391	0	<0.1	3	32.92	3	118	116.4
105J_1989_1392	0	<0.1	<1	24.06	<2	29	29.8
105J_1989_1393	0	<0.1	<1	27.95	<2	97	93.2
105J_1989_1394	0	<0.1	<1	20.03	<2	130	120.9
105J_1989_1395	0	<0.1	2	17.55	<2	120	112.0
105J_1989_1396	0	<0.1	3	41.44	2	70	59.7
105J_1989_1397	0	<0.1	<1	31.39	<2	88	86.1
105J_1989_1398	0	<0.1	<1	24.76	<2	134	129.5
105J_1989_1399	0	<0.1	2	18.99	2	153	152.4
105J_1989_1400	0	0.1	2	18.57	2	169	165.7
105J_1989_1402	0	0.1	2	36.81	3	103	108.1
105J_1989_1403	0	0.1	1	31.67	3	137	149.0
105J_1989_1405	0	0.4	3	31.11	3	178	160.4

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1406	1	0.4	240	1.07	8	11.0	14.0	9			2	578.1	2100	0.23	2.7	0.35
105J_1989_1407	2	<0.2	225	0.79	11	15.2	18.0	8			1	550.8	2400	0.22	0.7	0.27
105J_1989_1408	0	0.4	303	0.93	11	13.6	19.0	10			1	586.2	2300	0.32	4.8	0.24
105J_1989_1409	0	<0.2	402	1.10	8	9.1	15.0	15	11	31.97	2	557.3	2500	0.26	3.1	0.34
105J_1989_1410	0	0.2	411	1.05	34	48.9	58.0	9			2	1007.7	2900	0.40	5.0	0.35
105J_1989_1411	0	0.7	445	0.92	9	12.2	16.0	6			2	623.4	2200	0.27	2.5	0.30
105J_1989_1412	0	0.2	310	1.07	8	10.9	15.0	6			2	674.4	2300	0.22	3.9	0.37
105J_1989_1413	0	0.4	362	0.91	8	11.5	16.0	11			1	546.0	2400	0.24	3.2	0.30
105J_1989_1414	0	0.4	320	0.88	7	10.2	14.0	8			<1	551.9	2400	0.22	2.0	0.27
105J_1989_1415	0	<0.2	310	0.91	8	9.4	14.0	7			1	610.5	2300	0.23	1.6	0.26
105J_1989_1416	0	0.4	464	0.89	12	17.5	23.0	8			2	1245.8	4300	0.26	5.1	0.37
105J_1989_1417	0	0.2	369	0.64	5	7.0	10.0	5			1	381.6	2000	0.16	0.9	0.27
105J_1989_1418	0	0.3	363	1.80	45	68.1	84.2	13			1	1673.8	5060	0.69	8.5	0.35
105J_1989_1419	0	3.0	4059	0.48	6	7.7	15.0	22	25	18.82	1	366.0	1700	0.18	15.0	0.04
105J_1989_1420	0	0.5	414	1.02	5	6.5	9.4	8			2	526.2	1900	0.15	6.6	0.42
105J_1989_1422	0	0.3	626	1.91	65	103.3	117.0	13			2	1743.7	6810	4.96	7.4	0.25
105J_1989_1423	0	1.1	834	2.63	5	8.4	11.0	13			3	536.0	2400	0.16	14.0	0.08
105J_1989_1424	0	1.1	1286	0.85	4	4.4	8.1	14	13	21.24	3	545.5	1700	0.15	8.7	0.42
105J_1989_1425	1	1.1	1249	2.33	400	958.9	1170.0	17	24	15.53	3	434.6	1300	11.76	70.8	0.74
105J_1989_1426	2	1.4	1224	2.32	620	919.0	949.0	68	13	5.92	3	463.2	1200	10.92	62.4	0.73
105J_1989_1427	0	0.4	441	1.49	60	75.3	98.2	16	7	28.00	2	464.0	2200	1.46	16.0	0.27
105J_1989_1428	0	0.7	656	1.37	11	17.0	21.0	7			3	827.0	2500	0.57	13.0	0.36
105J_1989_1430	0	0.3	353	0.89	21	46.1	49.0	23	200	27.20	2	1197.1	6210	0.36	10.0	0.41
105J_1989_1431	0	0.5	249	0.78	16	24.5	32.0	12			2	1311.4	6530	0.29	6.2	0.36
105J_1989_1432	0	<0.2	238	0.57	6	9.1	13.0	7			2	787.8	3300	0.20	1.8	0.16
105J_1989_1433	0	0.5	375	0.71	8	10.4	18.0	11			2	1060.6	5320	0.17	4.8	0.40
105J_1989_1434	0	0.7	718	1.22	5	4.9	8.3	15	12	24.31	3	303.3	1700	0.15	4.5	0.24
105J_1989_1435	0	<0.2	317	0.63	6	7.3	10.0	35	8	33.59	2	1202.4	4400	0.16	1.5	0.31
105J_1989_1436	0	<0.2	335	0.87	9	10.1	16.0	6			2	1047.1	4700	0.20	5.4	0.31
105J_1989_1437	0	0.8	1230	1.13	7	6.6	11.0	35	33	18.02	3	855.6	3000	0.19	5.7	0.25
105J_1989_1438	0	1.4	1124	0.61	7	7.1	11.0	15	13	29.30	3	579.1	2400	0.15	7.4	0.33
105J_1989_1439	0	0.7	405	0.85	6	6.9	10.0	9			3	636.7	2400	0.19	13.0	0.40
105J_1989_1440	0	0.4	322	0.56	8	9.7	14.0	6			2	882.1	3900	0.15	3.2	0.36

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1406	1	1.3	1.17	55	12	12.4	20	18.8	51	4.4	52	54.28	2	655	2.50	2.34	3.3
105J_1989_1407	2	1.4	1.25	46	10	12.4	18	14.6	63	4.3	50	48.93	1	500	2.05	1.98	2.8
105J_1989_1408	0	1.5	1.31	43	10	10.1	17	14.4	59	4.6	56	51.97	<1	482	2.34	2.17	3.1
105J_1989_1409	0	1.1	1.06	45	10	9.3	15	18.0	65	5.2	54	53.82	2	565	2.25	2.05	3.1
105J_1989_1410	0	2.9	2.72	51	14	13.5	18	16.2	62	5.0	42	44.49	<1	481	2.65	2.48	3.1
105J_1989_1411	0	1.3	1.20	42	11	9.4	12	16.2	55	4.5	36	35.75	<1	463	2.12	1.77	2.3
105J_1989_1412	0	2.3	1.84	47	21	18.9	26	17.2	58	5.1	57	55.30	1	566	2.82	2.66	3.1
105J_1989_1413	0	1.5	1.49	40	12	12.5	20	15.3	54	5.0	50	50.95	<1	493	2.29	2.34	3.1
105J_1989_1414	0	1.2	1.27	53	12	13.0	20	16.6	58	5.0	46	50.17	1	535	2.18	2.13	2.9
105J_1989_1415	0	1.4	1.26	51	11	11.7	16	16.1	54	4.6	51	51.07	<1	547	2.37	2.23	3.0
105J_1989_1416	0	2.8	2.47	51	11	13.8	20	12.7	58	5.2	50	51.80	1	496	2.45	2.29	3.2
105J_1989_1417	0	1.2	1.20	45	5	4.6	7	9.8	59	4.6	29	29.59	<1	382	1.30	1.13	2.2
105J_1989_1418	0	3.7	3.16	62	24	25.5	40	14.8	68	7.7	93	92.91	1	454	3.57	3.85	5.3
105J_1989_1419	0	<0.2	0.31	33	3	1.8	<5	18.4	85	7.0	50	53.29	<1	390	5.96	6.65	8.2
105J_1989_1420	0	1.8	1.70	52	9	9.6	18	16.2	70	5.1	53	51.33	2	597	2.23	2.14	3.5
105J_1989_1422	0	3.6	3.07	44	28	32.6	50	15.6	57	6.6	143	145.43	1	588	3.36	3.34	4.2
105J_1989_1423	0	0.3	0.54	33	5	4.6	6	15.5	33	4.7	95	93.94	<1	420	5.71	6.23	6.8
105J_1989_1424	0	5.1	5.16	36	8	9.3	19	15.6	70	5.0	69	65.73	1	475	2.12	1.86	2.7
105J_1989_1425	1	8.5	8.92	61	31	36.9	64	15.1	20	12.0	274	261.41	2	310	3.08	2.78	4.0
105J_1989_1426	2	7.6	7.90	42	30	35.5	50	15.6	<20	10.0	253	248.66	3	283	3.06	2.86	3.9
105J_1989_1427	0	4.2	4.07	54	19	24.6	44	19.3	53	7.2	104	93.08	<1	425	2.78	2.73	4.2
105J_1989_1428	0	3.3	3.08	53	10	8.1	13	15.0	56	7.5	47	42.64	<1	407	2.26	2.06	3.1
105J_1989_1430	0	3.3	3.24	54	12	16.0	27	12.3	66	5.4	55	53.30	1	474	2.69	2.56	3.7
105J_1989_1431	0	2.3	2.10	50	10	11.5	21	11.8	71	5.3	45	43.71	<1	448	2.31	2.17	3.4
105J_1989_1432	0	0.4	0.61	45	6	7.5	15	9.6	63	5.4	43	42.21	1	485	2.00	1.89	3.3
105J_1989_1433	0	1.6	1.62	65	13	14.6	31	10.5	92	11.0	40	49.13	2	511	2.89	2.79	5.1
105J_1989_1434	0	1.7	1.91	36	8	7.7	15	13.8	61	6.5	83	86.38	1	526	2.18	1.79	3.2
105J_1989_1435	0	0.6	0.85	40	9	8.0	14	11.7	55	4.8	40	36.98	<1	513	1.88	1.76	2.5
105J_1989_1436	0	4.3	4.25	47	13	17.4	32	12.0	62	6.8	68	57.53	2	518	2.58	2.62	3.8
105J_1989_1437	0	1.3	1.33	36	7	7.0	16	16.8	81	8.9	55	56.92	1	415	1.66	1.38	2.7
105J_1989_1438	0	6.0	6.04	41	12	12.7	22	17.6	92	6.2	97	92.69	<1	500	2.22	2.27	3.6
105J_1989_1439	0	1.5	1.49	51	10	10.9	18	14.0	70	5.7	66	62.06	2	489	2.32	2.36	3.5
105J_1989_1440	0	1.5	1.71	52	11	10.3	18	10.0	71	6.5	45	42.99	<1	533	2.32	2.26	3.4

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1406	1	3.4	5	112	118	0.14	14.0	39	5.4	<0.2	0.51	1098	1108	2	2.86	4
105J_1989_1407	2	2.7	4	115	107	0.12	11.5	34	3.8	<0.2	0.34	936	882	2	2.73	4
105J_1989_1408	0	2.7	6	166	149	0.12	10.4	35	5.0	<0.2	0.31	935	931	2	2.72	4
105J_1989_1409	0	3.2	5	202	191	0.12	11.9	37	7.2	<0.2	0.44	327	321	<2	1.99	3
105J_1989_1410	0	2.9	6	216	186	0.13	12.8	36	7.2	<0.2	0.33	1269	1371	2	3.15	5
105J_1989_1411	0	2.9	4	216	160	0.13	11.8	32	9.8	<0.2	0.30	1008	817	2	2.46	3
105J_1989_1412	0	3.1	4	209	212	0.13	12.1	33	6.8	<0.2	0.45	3996	3512	2	3.53	5
105J_1989_1413	0	2.9	5	169	149	0.12	12.5	33	6.0	<0.2	0.35	1242	1352	2	2.83	4
105J_1989_1414	0	2.8	5	184	167	0.11	11.4	35	5.0	<0.2	0.35	387	412	<2	2.57	5
105J_1989_1415	0	2.9	6	187	156	0.12	12.1	35	5.0	<0.2	0.37	300	340	2	2.50	5
105J_1989_1416	0	2.1	5	205	196	0.11	10.0	36	6.6	<0.2	0.26	768	807	4	4.61	7
105J_1989_1417	0	1.9	4	148	150	0.07	9.9	35	5.6	<0.2	0.18	158	150	5	5.01	7
105J_1989_1418	0	2.3	7	176	171	0.11	14.3	45	8.8	<0.2	0.29	751	903	6	6.50	8
105J_1989_1419	0	2.5	3	526	582	0.10	5.9	28	17.9	<0.2	0.08	44	52	5	5.58	7
105J_1989_1420	0	3.0	4	223	179	0.12	13.0	39	9.0	<0.2	0.37	598	621	2	3.12	4
105J_1989_1422	0	2.0	4	256	250	0.10	11.5	35	9.5	<0.2	0.21	857	1051	7	6.61	9
105J_1989_1423	0	2.0	3	374	373	0.08	6.2	24	19.4	<0.2	0.15	250	327	6	6.30	7
105J_1989_1424	0	2.2	2	446	404	0.10	7.5	28	17.4	<0.2	0.20	1080	922	4	3.19	6
105J_1989_1425	1	4.4	2	216	169	0.12	25.2	44	24.5	<0.2	0.40	1674	1729	5	3.77	8
105J_1989_1426	2	4.5	2	184	166	0.13	25.4	39	21.7	<0.2	0.42	1530	1585	5	4.04	5
105J_1989_1427	0	3.3	4	104	88	0.15	13.1	37	8.8	<0.2	0.39	797	819	4	3.04	6
105J_1989_1428	0	3.1	4	198	177	0.14	9.9	33	13.0	<0.2	0.30	762	691	<2	2.20	5
105J_1989_1430	0	2.2	6	180	180	0.09	9.1	37	9.1	<0.2	0.27	1872	2105	4	3.46	6
105J_1989_1431	0	2.2	5	140	139	0.09	8.0	37	7.1	<0.2	0.26	1260	1284	2	2.79	5
105J_1989_1432	0	1.7	4	176	153	0.07	5.8	34	4.8	<0.2	0.15	357	361	2	2.79	5
105J_1989_1433	0	1.7	7	252	234	0.08	5.6	50	7.8	<0.2	0.20	653	728	6	5.57	9
105J_1989_1434	0	2.1	3	356	390	0.07	6.2	29	10.5	<0.2	0.13	118	92	2	3.70	5
105J_1989_1435	0	1.9	5	148	140	0.07	8.0	31	4.4	<0.2	0.22	386	391	2	2.77	4
105J_1989_1436	0	1.8	5	205	186	0.09	6.6	36	5.8	<0.2	0.25	1044	1121	5	4.09	7
105J_1989_1437	0	2.7	4	630	611	0.08	7.1	31	15.9	<0.2	0.14	203	167	7	6.67	10
105J_1989_1438	0	2.2	4	482	443	0.11	5.7	34	7.6	<0.2	0.15	1224	1196	5	4.63	8
105J_1989_1439	0	2.5	4	266	247	0.12	8.9	35	8.7	<0.2	0.29	1170	1172	2	2.82	5
105J_1989_1440	0	1.6	4	202	174	0.08	6.6	35	5.7	<0.2	0.22	1044	1000	4	3.92	6

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1406	1	0.007	0.52	36	37.0	0.120	11	13.04	73	0.08	1.4	1.29	2.3	2.8	11.0	1.1
105J_1989_1407	2	0.006	0.55	37	35.8	0.104	10	13.82	75	0.04	2.1	1.78	3.3	2.5	10.0	1.3
105J_1989_1408	0	0.005	0.50	45	42.8	0.087	11	11.64	76	0.05	1.9	1.41	2.8	2.1	11.0	1.5
105J_1989_1409	0	0.005	0.54	35	33.3	0.092	11	11.93	83	0.06	3.0	1.09	2.5	2.6	12.0	2.0
105J_1989_1410	0	0.008	0.46	37	36.9	0.104	9	13.87	79	0.09	3.0	1.87	3.5	2.6	11.0	1.9
105J_1989_1411	0	0.011	0.55	29	28.0	0.089	8	10.81	70	0.06	1.7	1.36	2.6	2.1	9.0	1.7
105J_1989_1412	0	0.006	0.36	68	64.2	0.104	9	12.05	74	0.06	1.4	0.96	2.2	2.8	10.0	1.5
105J_1989_1413	0	0.006	0.48	46	42.5	0.111	7	12.14	76	0.06	2.0	1.33	2.8	2.4	10.0	2.0
105J_1989_1414	0	0.007	0.46	41	40.9	0.112	10	11.91	75	0.09	1.6	1.30	2.6	2.6	10.0	1.5
105J_1989_1415	0	0.007	0.41	39	37.2	0.103	11	11.89	68	0.07	1.6	1.28	2.5	2.6	10.0	1.4
105J_1989_1416	0	0.007	0.47	71	72.5	0.102	7	10.07	73	0.10	2.1	1.76	3.3	2.5	11.0	3.1
105J_1989_1417	0	0.006	0.70	26	24.9	0.059	5	8.39	70	0.05	1.4	1.25	2.8	1.8	11.0	1.9
105J_1989_1418	0	0.009	0.62	107	106.3	0.108	12	16.26	78	0.12	5.0	2.99	5.1	3.7	15.0	2.4
105J_1989_1419	0	0.006	0.59	13	13.1	0.100	10	11.09	62	0.28	3.4	4.50	6.1	2.4	11.0	14.5
105J_1989_1420	0	0.008	0.73	44	44.4	0.114	7	9.73	74	0.07	1.2	1.22	2.2	2.4	13.0	1.9
105J_1989_1422	0	0.006	0.43	112	113.5	0.112	9	11.07	64	0.15	3.6	2.55	4.4	4.3	13.0	3.4
105J_1989_1423	0	0.005	0.51	25	26.8	0.122	7	9.53	51	0.34	1.9	2.40	3.1	3.4	8.9	6.4
105J_1989_1424	0	0.006	0.70	99	87.6	0.138	7	9.17	69	0.14	1.1	1.59	2.5	1.3	11.0	5.4
105J_1989_1425	1	0.025	0.86	175	154.6	0.115	15	22.43	53	0.14	8.0	4.23	5.6	2.6	11.0	4.7
105J_1989_1426	2	0.027	0.85	160	146.5	0.115	20	21.81	53	0.13	7.0	4.02	4.9	2.8	11.0	4.5
105J_1989_1427	0	0.012	0.76	84	76.5	0.087	16	20.75	69	0.07	3.9	3.16	5.0	2.3	12.0	2.2
105J_1989_1428	0	0.013	1.00	57	50.8	0.091	12	14.34	76	0.06	1.5	1.40	2.4	2.4	13.0	2.5
105J_1989_1430	0	0.008	0.58	101	91.8	0.101	6	10.50	75	0.08	1.8	1.73	2.8	2.4	12.0	4.0
105J_1989_1431	0	0.008	0.60	68	62.7	0.090	8	10.36	79	0.07	1.6	1.61	2.6	2.2	12.0	2.4
105J_1989_1432	0	0.007	0.68	30	29.4	0.071	8	9.59	74	0.05	1.3	1.39	2.5	2.1	13.0	1.2
105J_1989_1433	0	0.007	1.10	75	67.8	0.125	10	10.68	110	0.07	1.2	1.08	2.5	3.2	19.0	2.1
105J_1989_1434	0	0.007	0.87	75	75.1	0.139	9	10.97	64	0.09	1.0	1.36	2.2	3.0	13.0	8.0
105J_1989_1435	0	0.006	0.61	29	28.6	0.088	9	8.63	66	0.04	1.4	1.28	2.2	2.3	10.0	1.5
105J_1989_1436	0	0.005	0.62	90	83.1	0.093	10	11.45	87	0.07	2.1	1.69	3.5	3.0	12.0	2.5
105J_1989_1437	0	0.009	1.00	37	33.6	0.150	10	12.25	76	0.14	2.2	2.15	3.7	1.2	15.0	6.0
105J_1989_1438	0	0.005	0.69	108	101.8	0.097	7	10.69	67	0.10	2.4	2.26	3.9	2.7	13.0	5.1
105J_1989_1439	0	0.007	0.69	50	46.3	0.095	10	10.82	78	0.07	1.6	1.35	2.4	2.9	13.0	2.2
105J_1989_1440	0	0.005	0.58	48	45.5	0.107	9	9.18	77	0.08	2.0	1.64	2.9	2.5	12.0	2.0

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1406	1	4.8	4	47.6	1.0	0.9	0.09	2.1	8.6	0.010	0.17	1.7	5.4	5.6	49	49
105J_1989_1407	2	4.3	3	38.7	0.9	0.8	0.06	2.5	8.0	0.010	0.18	1.7	4.9	4.4	42	46
105J_1989_1408	0	4.6	9	40.8	0.9	1.0	0.07	1.2	8.3	0.009	0.18	1.5	4.8	4.3	46	46
105J_1989_1409	0	4.9	2	46.0	1.0	0.9	0.08	1.4	8.5	0.008	0.20	1.8	5.4	5.0	51	49
105J_1989_1410	0	4.8	10	49.7	0.9	0.9	0.06	2.0	8.7	0.008	0.22	1.7	4.7	4.6	46	46
105J_1989_1411	0	4.1	2	37.8	1.0	0.6	0.03	1.6	7.2	0.009	0.22	1.7	4.4	4.5	41	45
105J_1989_1412	0	4.8	4	52.2	1.0	0.9	0.08	2.1	7.8	0.008	0.21	1.6	5.0	4.5	39	47
105J_1989_1413	0	4.8	4	44.5	0.9	0.8	0.07	2.1	8.0	0.009	0.18	1.7	5.2	4.6	39	43
105J_1989_1414	0	4.6	3	39.0	1.1	0.9	0.02	2.4	7.9	0.009	0.19	1.7	5.0	4.5	59	43
105J_1989_1415	0	4.5	4	39.2	1.0	0.8	0.07	2.6	8.0	0.009	0.19	1.8	5.0	5.1	41	45
105J_1989_1416	0	4.4	4	48.7	1.0	0.9	0.09	2.4	7.7	0.008	0.32	2.3	5.7	5.3	44	43
105J_1989_1417	0	4.0	3	31.6	0.9	0.8	0.03	1.9	7.3	0.008	0.34	2.5	6.5	5.6	44	38
105J_1989_1418	0	5.9	3	52.4	1.0	1.2	0.09	3.9	10.0	0.013	0.46	3.1	6.5	6.6	44	44
105J_1989_1419	0	3.9	1	26.9	0.7	0.8	0.14	1.0	6.2	0.007	0.41	1.3	4.4	4.2	56	58
105J_1989_1420	0	5.1	2	43.6	1.1	1.0	0.07	1.2	7.7	0.011	0.16	1.9	5.5	5.2	36	50
105J_1989_1422	0	5.6	3	50.0	0.9	1.1	0.14	3.2	6.9	0.007	0.35	3.2	6.4	6.4	51	51
105J_1989_1423	0	3.9	5	25.0	0.8	1.0	0.09	2.3	5.3	0.006	0.52	3.3	5.5	5.9	54	50
105J_1989_1424	0	5.1	4	58.3	0.7	1.0	0.07	0.2	5.8	0.006	0.29	1.5	5.0	4.4	54	44
105J_1989_1425	1	4.6	5	51.9	<0.5	1.2	0.18	2.3	10.0	0.036	0.38	21.7	27.8	28.8	50	43
105J_1989_1426	2	4.1	4	52.7	0.8	0.9	0.15	2.9	9.3	0.039	0.37	20.9	23.4	24.0	52	45
105J_1989_1427	0	5.3	3	51.8	0.9	1.0	0.07	2.0	8.1	0.029	0.32	1.6	4.2	4.0	51	46
105J_1989_1428	0	4.9	2	45.4	1.0	0.8	0.05	1.3	8.0	0.013	0.25	1.6	4.1	4.4	37	38
105J_1989_1430	0	4.7	3	52.2	0.9	1.0	0.05	2.0	7.8	0.008	0.33	2.3	5.7	5.2	44	38
105J_1989_1431	0	4.7	2	48.4	1.0	1.0	0.08	2.7	8.1	0.008	0.24	1.8	5.0	4.6	41	35
105J_1989_1432	0	4.3	1	30.6	0.8	0.8	0.08	1.3	7.3	0.005	0.16	1.0	4.5	3.7	31	27
105J_1989_1433	0	7.1	3	48.2	1.4	1.5	0.04	1.8	11.0	0.003	0.29	1.8	7.4	5.4	36	26
105J_1989_1434	0	4.7	2	38.1	0.8	1.0	0.12	0.8	6.0	0.004	0.51	1.8	4.7	4.7	64	46
105J_1989_1435	0	4.4	3	37.8	0.9	1.0	0.06	1.9	7.2	0.008	0.18	1.3	4.7	4.3	57	33
105J_1989_1436	0	5.6	5	41.9	1.0	1.2	0.05	2.3	8.3	0.005	0.32	1.7	5.8	4.6	59	35
105J_1989_1437	0	5.3	2	65.1	0.7	1.0	0.06	0.1	6.8	0.005	0.75	2.4	6.4	5.8	73	64
105J_1989_1438	0	5.0	3	62.0	0.9	1.1	0.11	0.8	6.3	0.006	0.27	2.0	6.6	5.9	67	69
105J_1989_1439	0	4.9	4	47.6	0.8	0.9	0.08	1.3	7.6	0.008	0.16	1.8	5.4	5.2	59	38
105J_1989_1440	0	4.6	3	41.7	0.9	0.9	0.03	2.0	7.4	0.004	0.20	1.3	4.9	4.4	52	30

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1406	1	0.3	3	34.60	2	137	139.5
105J_1989_1407	2	0.3	2	23.42	2	139	143.7
105J_1989_1408	0	2.8	5	33.00	3	167	164.6
105J_1989_1409	0	0.4	3	38.11	3	152	154.0
105J_1989_1410	0	4.2	6	30.79	3	200	206.0
105J_1989_1411	0	0.4	1	23.97	3	133	134.6
105J_1989_1412	0	0.3	2	31.05	2	236	226.8
105J_1989_1413	0	0.2	2	36.31	3	195	200.3
105J_1989_1414	0	2.1	3	43.43	2	149	162.4
105J_1989_1415	0	0.9	3	16.38	2	145	148.1
105J_1989_1416	0	0.1	2	36.63	3	312	339.2
105J_1989_1417	0	<0.1	1	42.50	3	93	100.0
105J_1989_1418	0	0.4	3	35.15	4	398	413.0
105J_1989_1419	0	<0.1	<1	28.60	<2	55	54.6
105J_1989_1420	0	0.1	<1	34.85	3	193	211.3
105J_1989_1422	0	0.4	<1	18.97	4	489	510.0
105J_1989_1423	0	<0.1	<1	27.75	<2	125	115.3
105J_1989_1424	0	<0.1	<1	27.28	3	258	245.8
105J_1989_1425	1	2.0	6	21.65	5	846	700.5
105J_1989_1426	2	1.4	5	13.17	4	782	659.1
105J_1989_1427	0	0.3	2	35.93	3	312	322.5
105J_1989_1428	0	0.7	2	27.44	3	244	237.9
105J_1989_1430	0	5.4	3	35.95	3	309	330.0
105J_1989_1431	0	0.1	3	41.39	3	235	232.1
105J_1989_1432	0	<0.1	<1	37.57	3	116	116.6
105J_1989_1433	0	<0.1	2	34.78	5	248	222.6
105J_1989_1434	0	<0.1	<1	31.00	<2	289	307.9
105J_1989_1435	0	0.1	<1	45.66	3	134	132.1
105J_1989_1436	0	<0.1	<1	45.77	3	339	351.3
105J_1989_1437	0	<0.1	<1	28.86	3	126	118.6
105J_1989_1438	0	<0.1	<1	38.23	3	380	388.3
105J_1989_1439	0	<0.1	2	32.04	3	196	182.7
105J_1989_1440	0	<0.1	1	40.93	3	203	188.9

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1442	1	0.6	335	0.56	10	11.5	14.0	7			2	1104.2	4000	0.17	2.4	0.34
105J_1989_1443	2	0.3	352	0.58	10	11.6	15.0	7			2	1102.3	4000	0.17	3.5	0.35
105J_1989_1444	0	<0.2	303	0.56	8	10.6	15.0	21	8	27.30	3	976.9	4400	0.18	1.7	0.31
105J_1989_1445	0	<0.2	200	0.55	13	15.1	20.0	8			2	1372.9	8200	0.21	1.4	0.25
105J_1989_1446	0	0.8	816	1.03	10	10.3	16.0	4			5	507.6	1000	0.29	26.0	1.48
105J_1989_1447	0	0.3	380	0.66	7	8.9	13.0	9			2	1348.0	4500	0.18	5.2	0.38
105J_1989_1448	0	0.5	499	0.59	7	9.0	10.0	15	8	3.65	3	1357.3	5860	0.20	4.3	0.48
105J_1989_1449	0	0.8	666	0.93	5	6.6	9.1	10			2	1038.7	2900	0.18	11.0	0.62
105J_1989_1450	0	<0.2	238	0.75	8	10.0	14.0	5			2	1624.0	7480	0.20	2.4	0.28
105J_1989_1451	0	<0.2	238	0.74	5	6.6	9.4	5			3	428.0	1800	0.20	6.5	0.45
105J_1989_1452	0	0.2	164	0.72	6	6.9	10.0	<2			4	365.6	1500	0.16	1.7	0.43
105J_1989_1453	0	<0.2	239	0.61	12	13.8	18.0	6			3	1008.1	3400	0.17	1.5	0.33
105J_1989_1454	0	<0.2	421	0.84	200	295.3	382.0	<2			3	268.8	1400	1.20	4.5	0.46
105J_1989_1455	0	<0.2	26	0.20	3	1.6	3.2	<2			1	76.0	740	0.02	5.8	0.43
105J_1989_1456	0	0.9	904	1.02	10	12.9	17.0	10			4	564.8	2100	0.20	3.7	0.41
105J_1989_1457	0	<0.2	392	1.06	4	6.0	8.1	17	30	28.18	5	302.6	2000	0.16	7.2	0.67
105J_1989_1458	0	0.2	445	0.88	11	13.5	20.0	8			4	731.5	3500	0.15	3.8	0.48
105J_1989_1459	0	0.2	433	0.92	5	6.7	9.4	10			4	292.3	1700	0.18	8.0	0.82
105J_1989_1462	1	0.4	717	1.23	11	14.2	19.0	20	18	14.14	4	379.8	1800	0.28	5.5	0.65
105J_1989_1463	2	0.9	705	1.12	8	10.4	13.0	16	18	26.07	3	319.6	1600	0.25	23.0	0.79
105J_1989_1464	0	0.6	456	1.08	6	8.5	11.0	11			5	524.2	1800	0.20	14.0	0.59
105J_1989_1465	0	0.5	604	0.99	7	10.1	14.0	8			2	504.1	2000	0.16	3.6	0.37
105J_1989_1466	0	<0.2	362	0.97	11	13.5	17.0	9			2	566.2	2300	0.18	3.8	0.62
105J_1989_1467	0	<0.2	310	1.04	11	13.1	17.0	10			3	564.5	2500	0.18	2.3	0.61
105J_1989_1468	0	0.5	699	1.19	7	9.0	11.0	10			3	432.3	1700	0.18	10.0	0.72
105J_1989_1469	0	0.4	374	1.20	8	9.9	12.0	8			3	437.9	1700	0.16	11.0	0.52
105J_1989_1471	0	0.5	637	1.07	10	13.7	17.0	10			4	309.2	1200	0.20	12.0	0.43
105J_1989_1472	0	0.4	601	0.84	8	10.8	15.0	8			3	741.4	2800	0.16	5.8	0.47
105J_1989_1473	0	0.2	188	0.81	2	3.0	4.5	<2			2	238.6	1500	0.12	3.3	0.62
105J_1989_1474	0	0.2	332	0.95	6	8.6	10.0	4			3	272.0	1300	0.36	4.2	0.88
105J_1989_1475	0	0.5	611	1.00	17	22.7	32.0	5			2	725.7	4300	0.27	2.9	0.41
105J_1989_1476	0	0.7	1134	0.98	5	6.9	9.1	6			5	700.5	1200	0.19	14.0	1.81
105J_1989_1477	0	0.3	831	2.12	155	255.9	266.0	16	21	11.76	1	185.4	1200	35.42	11.0	0.17

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1442	1	1.5	1.54	42	10	10.1	15	10.5	59	5.5	52	47.89	<1	428	2.27	2.11	2.7
105J_1989_1443	2	1.4	1.56	46	10	10.2	17	10.8	68	5.7	50	48.07	1	548	2.42	2.19	3.0
105J_1989_1444	0	1.1	1.42	45	8	9.6	16	10.8	67	5.1	50	48.05	1	467	2.29	2.08	3.1
105J_1989_1445	0	0.6	0.96	42	10	11.6	19	10.2	59	5.4	44	44.79	1	542	2.47	2.52	3.3
105J_1989_1446	0	1.8	1.81	23	3	1.5	<5	8.0	<20	3.1	34	30.95	<1	271	0.85	0.70	1.2
105J_1989_1447	0	1.8	1.98	45	8	10.3	18	11.8	61	6.2	45	43.99	<1	529	2.29	2.24	3.0
105J_1989_1448	0	3.3	4.08	47	9	9.5	14	10.8	52	4.6	51	48.86	<1	469	2.10	2.18	2.5
105J_1989_1449	0	5.3	5.09	43	8	9.0	15	12.1	67	6.1	41	38.31	1	444	2.51	2.20	3.1
105J_1989_1450	0	1.1	1.38	62	11	13.3	23	13.6	76	5.4	46	44.07	1	505	2.67	2.87	4.2
105J_1989_1451	0	1.0	1.23	52	9	9.1	13	11.7	54	4.8	38	37.69	1	463	2.12	2.06	3.0
105J_1989_1452	0	0.9	1.06	39	8	8.5	14	12.1	50	3.3	28	25.77	<1	384	2.06	1.76	2.4
105J_1989_1453	0	1.3	1.55	45	9	8.8	13	11.5	47	3.9	36	37.78	<1	515	1.90	1.85	2.6
105J_1989_1454	0	0.9	1.02	57	7	7.2	13	12.0	52	9.0	28	25.23	<1	357	1.56	1.27	2.1
105J_1989_1455	0	<0.2	0.23	27	2	1.4	6	1.6	<20	1.0	4	4.76	<1	297	0.27	0.34	2.1
105J_1989_1456	0	3.5	3.32	44	15	17.0	24	17.6	64	5.0	58	54.76	1	481	2.42	2.44	3.2
105J_1989_1457	0	1.3	1.79	49	8	9.6	13	19.3	64	4.4	44	50.73	<1	595	1.79	1.96	2.8
105J_1989_1458	0	2.5	2.59	41	8	9.4	13	17.6	68	5.2	25	49.12	<1	781	2.00	2.20	2.9
105J_1989_1459	0	2.2	2.42	54	8	9.1	14	17.1	71	4.1	58	57.12	1	573	2.16	2.09	2.9
105J_1989_1462	1	1.5	2.01	58	15	21.2	30	18.6	70	5.5	131	133.18	1	765	3.53	3.78	5.4
105J_1989_1463	2	2.8	3.11	53	17	17.9	23	16.8	73	5.6	111	113.13	1	776	3.43	3.39	4.6
105J_1989_1464	0	2.3	2.35	41	10	11.1	17	18.1	54	4.7	73	73.02	1	473	2.53	2.17	2.8
105J_1989_1465	0	2.0	2.07	53	9	10.3	16	15.9	66	4.6	56	55.64	<1	484	2.93	2.89	4.2
105J_1989_1466	0	1.7	1.78	63	13	14.2	22	17.1	78	5.3	61	61.45	1	607	2.71	2.74	3.9
105J_1989_1467	0	1.3	1.60	63	12	14.6	24	17.6	75	5.8	61	62.02	2	612	2.70	2.82	4.2
105J_1989_1468	0	1.8	2.14	46	9	9.0	13	19.7	58	5.3	51	53.15	<1	525	2.20	2.10	2.9
105J_1989_1469	0	5.4	5.24	44	9	9.2	12	16.9	54	5.1	40	38.48	<1	542	2.59	2.33	2.7
105J_1989_1471	0	0.4	0.79	37	11	10.9	13	14.4	40	7.1	47	47.38	1	363	2.74	2.48	3.3
105J_1989_1472	0	2.0	2.26	46	9	9.8	15	14.6	71	5.4	47	50.03	<1	495	2.12	2.09	3.1
105J_1989_1473	0	0.5	0.82	48	7	8.4	15	13.7	56	4.0	26	27.60	<1	312	1.45	1.30	2.3
105J_1989_1474	0	0.7	1.08	61	8	10.0	15	16.2	53	6.2	41	43.54	<1	327	2.24	1.97	2.8
105J_1989_1475	0	5.1	4.97	65	12	15.3	26	15.7	91	6.3	54	55.38	1	440	2.14	2.13	3.1
105J_1989_1476	0	3.3	3.23	28	9	8.5	11	12.4	21	2.9	40	39.94	<1	173	2.63	2.49	3.1
105J_1989_1477	0	0.3	1.58	57	27	52.2	49	24.2	62	9.3	182	231.20	1	352	4.18	4.27	5.2

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1442	1	1.6	3	202	179	0.08	6.3	30	5.2	<0.2	0.20	643	655	4	3.75	5
105J_1989_1443	2	1.7	4	209	200	0.09	6.3	32	5.3	<0.2	0.21	637	700	4	3.79	6
105J_1989_1444	0	1.7	5	227	178	0.08	7.4	34	4.0	<0.2	0.22	442	494	4	2.94	5
105J_1989_1445	0	1.6	7	216	189	0.06	7.6	36	4.7	<0.2	0.18	796	816	5	4.27	5
105J_1989_1446	0	1.6	1	216	221	0.06	10.6	17	44.4	<0.2	0.17	1098	843	<2	1.29	3
105J_1989_1447	0	1.8	5	270	235	0.10	6.3	34	6.6	<0.2	0.21	514	597	4	3.64	6
105J_1989_1448	0	1.5	4	288	292	0.09	5.5	30	9.1	<0.2	0.15	456	527	5	5.12	7
105J_1989_1449	0	2.1	3	461	463	0.11	5.7	30	13.0	<0.2	0.18	1890	1864	2	3.01	5
105J_1989_1450	0	2.0	7	194	170	0.08	6.2	44	5.4	<0.2	0.26	627	678	2	2.78	5
105J_1989_1451	0	2.0	5	144	136	0.10	5.3	36	7.4	<0.2	0.26	588	617	<2	1.39	3
105J_1989_1452	0	2.1	4	114	103	0.14	7.1	28	6.8	<0.2	0.23	586	569	<2	1.21	3
105J_1989_1453	0	1.8	4	121	111	0.10	8.7	34	3.2	<0.2	0.24	469	503	<2	2.26	4
105J_1989_1454	0	2.1	4	163	137	0.08	13.4	37	9.6	<0.2	0.22	137	121	<2	1.19	4
105J_1989_1455	0	0.8	3	31	22	0.02	1.0	17	11.2	<0.2	0.06	75	71	<2	0.26	3
105J_1989_1456	0	2.7	3	331	353	0.12	10.8	31	11.1	<0.2	0.26	1980	2034	6	4.78	7
105J_1989_1457	0	3.2	5	170	189	0.11	16.6	38	8.2	<0.2	0.51	548	620	<2	2.01	3
105J_1989_1458	0	2.7	3	214	244	0.11	15.3	37	5.8	<0.2	0.50	912	927	4	4.02	6
105J_1989_1459	0	2.9	4	190	198	0.10	13.6	37	16.4	<0.2	0.51	589	555	2	2.65	4
105J_1989_1462	1	3.5	3	401	456	0.17	20.4	48	10.4	<0.2	0.72	1548	2116	8	8.62	11
105J_1989_1463	2	3.1	3	452	510	0.15	18.3	45	15.3	<0.2	0.66	1584	1736	7	6.38	8
105J_1989_1464	0	3.2	3	206	195	0.15	11.8	32	13.7	<0.2	0.54	1098	1004	2	3.37	4
105J_1989_1465	0	2.8	4	214	225	0.10	11.9	37	10.2	<0.2	0.39	425	438	<2	2.02	3
105J_1989_1466	0	2.8	5	187	199	0.10	18.9	47	5.2	<0.2	0.63	779	848	2	3.80	5
105J_1989_1467	0	2.9	5	163	162	0.11	19.5	47	4.8	<0.2	0.67	806	837	4	4.00	5
105J_1989_1468	0	3.1	3	228	263	0.11	16.6	35	11.9	<0.2	0.49	475	481	2	3.07	4
105J_1989_1469	0	3.1	3	180	169	0.12	14.2	29	8.3	<0.2	0.46	2376	2603	2	2.71	5
105J_1989_1471	0	3.1	2	213	227	0.10	8.6	29	15.9	<0.2	0.37	1008	843	4	3.78	6
105J_1989_1472	0	2.3	4	221	251	0.10	9.4	35	8.3	<0.2	0.33	509	560	4	3.30	5
105J_1989_1473	0	2.2	5	75	66	0.07	10.4	34	12.1	<0.2	0.27	91	82	<2	0.29	2
105J_1989_1474	0	2.7	4	119	125	0.10	12.0	40	15.1	<0.2	0.33	437	408	<2	0.60	3
105J_1989_1475	0	2.1	4	177	190	0.08	12.9	48	5.8	<0.2	0.27	127	158	6	6.00	8
105J_1989_1476	0	2.3	<1	262	311	0.08	6.3	19	50.4	<0.2	0.22	1242	1141	<2	1.78	4
105J_1989_1477	0	3.6	4	68	90	0.25	24.5	41	9.0	<0.2	0.44	533	905	4	3.50	4

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1442	1	0.005	0.47	48	43.6	0.099	8	10.10	69	0.07	2.0	1.79	2.7	2.8	11.0	2.5
105J_1989_1443	2	0.005	0.53	47	44.0	0.099	9	10.17	70	0.08	1.9	1.77	2.9	2.7	12.0	2.7
105J_1989_1444	0	0.005	0.54	40	40.0	0.097	7	10.42	72	0.10	1.8	1.65	2.7	2.7	11.0	2.4
105J_1989_1445	0	0.004	0.46	29	31.0	0.089	7	11.70	62	0.07	2.1	1.79	3.0	2.7	11.0	2.7
105J_1989_1446	0	0.026	0.75	18	16.1	0.107	6	8.87	30	0.41	0.9	1.19	1.3	1.5	5.6	20.2
105J_1989_1447	0	0.006	0.51	45	44.4	0.105	6	11.64	80	0.10	1.7	1.42	2.9	3.1	11.0	2.7
105J_1989_1448	0	0.005	0.36	54	54.9	0.091	8	12.79	70	0.09	2.4	2.26	3.2	2.8	11.0	3.0
105J_1989_1449	0	0.009	0.67	58	55.4	0.110	8	11.04	76	0.10	1.6	1.27	2.4	2.9	12.0	2.9
105J_1989_1450	0	0.005	0.56	46	44.5	0.088	8	13.71	86	0.08	1.7	1.36	2.4	3.1	15.0	1.4
105J_1989_1451	0	0.007	0.59	39	37.3	0.060	11	13.92	79	0.05	1.2	1.01	1.8	2.7	12.0	1.9
105J_1989_1452	0	0.013	0.54	24	24.8	0.071	11	15.51	61	0.04	1.1	0.99	1.7	2.2	9.1	1.1
105J_1989_1453	0	0.006	0.42	42	44.1	0.103	8	10.98	70	0.05	2.0	1.91	2.9	2.2	10.0	1.5
105J_1989_1454	0	0.010	0.79	19	18.1	0.073	18	21.01	76	0.11	5.0	3.95	6.9	2.1	11.0	1.2
105J_1989_1455	0	0.059	2.61	2	2.7	0.033	<2	0.66	31	0.24	<0.2	0.08	0.4	0.3	6.2	0.3
105J_1989_1456	0	0.009	0.46	49	46.1	0.125	6	10.55	66	0.07	1.5	2.19	3.5	2.4	10.0	4.9
105J_1989_1457	0	0.007	0.67	33	37.9	0.143	9	10.09	65	0.06	1.2	1.25	1.9	2.5	10.0	2.0
105J_1989_1458	0	0.005	0.35	53	53.6	0.170	5	9.95	77	0.06	2.6	2.26	3.8	2.3	10.0	2.3
105J_1989_1459	0	0.008	0.68	37	36.7	0.176	7	11.56	64	0.09	1.3	1.50	2.2	2.2	11.0	3.4
105J_1989_1462	1	0.005	0.20	69	71.9	0.264	16	23.56	81	0.14	2.6	2.45	4.0	3.7	15.0	2.8
105J_1989_1463	2	0.005	0.24	70	69.3	0.242	18	21.14	79	0.16	2.0	2.06	2.9	3.3	14.0	3.6
105J_1989_1464	0	0.008	0.38	45	44.2	0.149	8	12.07	69	0.08	1.3	1.57	2.3	2.6	11.0	2.6
105J_1989_1465	0	0.010	0.65	34	34.0	0.190	9	10.11	64	0.15	1.8	1.62	2.8	2.9	10.0	4.0
105J_1989_1466	0	0.005	0.51	41	41.3	0.169	10	13.64	68	0.05	2.3	2.03	3.2	3.3	13.0	1.6
105J_1989_1467	0	0.005	0.41	41	40.5	0.176	8	13.26	73	0.05	2.3	2.20	3.1	3.3	13.0	1.3
105J_1989_1468	0	0.007	0.60	37	37.7	0.161	9	10.70	66	0.05	1.8	1.71	2.6	2.5	11.0	2.1
105J_1989_1469	0	0.008	0.46	35	36.2	0.144	10	9.29	73	0.03	1.7	1.10	2.0	2.5	9.5	1.6
105J_1989_1471	0	0.017	1.10	31	28.7	0.172	12	13.98	64	0.08	1.6	1.46	2.3	1.5	10.0	2.0
105J_1989_1472	0	0.007	0.50	50	49.1	0.137	7	9.66	72	0.05	1.9	1.57	2.8	2.5	11.0	3.2
105J_1989_1473	0	0.012	1.00	32	33.2	0.077	7	9.35	69	0.13	0.5	0.46	0.9	1.6	10.0	1.8
105J_1989_1474	0	0.013	0.94	26	26.4	0.072	34	39.47	85	0.10	1.8	1.56	2.5	3.1	12.0	2.2
105J_1989_1475	0	0.008	0.56	81	77.8	0.154	11	14.94	81	0.17	4.0	3.14	5.4	2.3	12.0	3.7
105J_1989_1476	0	0.014	0.66	27	25.8	0.130	10	12.68	37	0.36	0.6	0.94	1.2	1.5	7.1	4.6
105J_1989_1477	0	0.009	0.57	40	47.9	0.102	30	45.00	67	0.21	4.0	4.88	5.3	3.1	12.0	3.7

Unique ID	Rep Stat	Sm INAA ppm 0.1	Sn AAS ppm 1	Sr ICP-MS ppm 0.5	Ta INAA ppm 0.5	Tb INAA ppm 0.5	Te ICP-MS ppm 0.02	Th ICP-MS ppm 0.1	Th INAA ppm 0.2	Ti ICP-MS % 0.001	Tl ICP-MS ppm 0.02	U ICP-MS ppm 0.1	U INAA ppm 0.2	U NADNC ppm 0.5	V AAS ppm 5	V ICP-MS ppm 2
105J_1989_1442	1	4.0	2	44.0	0.9	0.9	0.05	1.8	6.7	0.004	0.19	1.5	4.6	4.3	51	29
105J_1989_1443	2	4.4	3	46.2	1.0	0.9	0.07	1.8	7.3	0.004	0.20	1.5	5.0	4.6	65	30
105J_1989_1444	0	4.6	2	39.6	1.1	0.9	0.06	2.1	7.7	0.006	0.18	1.3	4.5	3.9	49	29
105J_1989_1445	0	4.7	5	42.0	0.9	1.0	0.06	2.1	8.1	0.003	0.18	1.3	4.8	4.2	57	28
105J_1989_1446	0	2.9	6	91.5	<0.5	0.6	0.03	0.4	3.2	0.010	0.15	2.0	3.0	3.3	47	12
105J_1989_1447	0	5.2	3	42.6	1.0	1.0	0.07	1.9	8.9	0.004	0.22	1.7	5.9	5.5	32	30
105J_1989_1448	0	4.0	3	46.4	1.0	0.9	0.09	1.2	7.3	0.004	0.30	3.2	6.3	7.8	78	43
105J_1989_1449	0	4.4	3	52.9	0.7	0.8	0.04	1.2	7.6	0.004	0.26	1.7	4.7	4.6	64	34
105J_1989_1450	0	5.8	4	41.3	1.2	1.0	0.05	2.2	10.0	0.005	0.17	1.2	4.9	4.3	54	29
105J_1989_1451	0	4.7	3	44.9	0.9	0.8	0.03	2.2	9.2	0.005	0.15	0.6	3.6	3.1	52	24
105J_1989_1452	0	3.7	4	50.6	0.8	0.6	0.03	1.9	7.6	0.008	0.11	1.0	3.3	3.2	43	33
105J_1989_1453	0	4.3	3	46.1	0.9	0.7	0.04	2.7	7.7	0.007	0.15	1.3	4.1	3.8	66	37
105J_1989_1454	0	4.6	5	44.1	0.9	0.8	0.02	3.0	10.0	0.006	0.18	2.1	5.0	4.7	48	28
105J_1989_1455	0	2.0	3	47.3	<0.5	<0.5	<0.02	0.1	3.8	0.020	0.03	0.2	2.1	2.2	40	12
105J_1989_1456	0	4.2	3	61.4	0.8	0.8	0.09	1.6	6.5	0.007	0.30	3.1	6.3	6.4	79	77
105J_1989_1457	0	4.8	3	58.5	1.2	1.0	0.02	2.2	8.0	0.010	0.16	1.5	5.1	4.4	53	49
105J_1989_1458	0	4.9	5	69.1	1.3	0.9	0.06	2.8	7.8	0.006	0.19	2.9	7.5	6.7	73	71
105J_1989_1459	0	4.4	4	66.2	1.3	1.0	0.04	1.5	7.8	0.009	0.15	2.4	6.0	5.1	56	43
105J_1989_1462	1	6.6	5	105.2	1.3	1.6	0.16	2.5	10.0	0.004	0.26	5.5	11.0	9.2	83	55
105J_1989_1463	2	5.5	5	104.3	1.1	1.0	0.12	2.3	8.4	0.004	0.23	8.1	12.0	11.9	81	47
105J_1989_1464	0	4.2	4	60.5	0.9	0.8	0.05	1.7	6.6	0.008	0.19	3.2	6.3	6.1	53	50
105J_1989_1465	0	4.6	3	48.6	1.0	0.9	0.03	2.9	7.3	0.007	0.20	2.1	5.7	4.8	73	60
105J_1989_1466	0	5.5	8	73.0	1.6	0.9	0.08	3.0	8.7	0.007	0.17	1.6	6.1	5.4	65	44
105J_1989_1467	0	5.7	4	71.1	1.7	1.2	0.06	3.1	8.8	0.005	0.17	1.8	6.4	5.8	71	44
105J_1989_1468	0	4.7	4	65.1	1.0	1.0	0.04	1.2	7.3	0.006	0.18	1.9	5.1	5.1	82	54
105J_1989_1469	0	4.0	5	54.0	1.1	0.9	0.05	1.5	7.2	0.007	0.16	2.0	5.3	4.9	52	53
105J_1989_1471	0	3.4	2	49.2	1.0	0.8	0.04	0.5	7.0	0.006	0.18	1.9	5.0	4.7	44	49
105J_1989_1472	0	4.3	4	57.0	1.0	1.0	0.04	2.1	7.3	0.006	0.22	1.9	5.3	4.9	48	51
105J_1989_1473	0	4.2	3	79.4	0.8	0.6	0.02	2.3	7.5	0.012	0.15	1.2	3.8	3.7	23	24
105J_1989_1474	0	4.7	4	88.8	1.1	0.8	0.03	3.0	10.0	0.007	0.15	1.2	4.0	4.1	26	25
105J_1989_1475	0	5.8	3	56.8	1.0	1.1	0.06	3.1	9.2	0.011	0.32	4.2	8.9	7.5	73	68
105J_1989_1476	0	2.4	3	200.6	<0.5	<0.5	0.03	0.4	4.9	0.007	0.19	4.1	5.0	5.2	36	36
105J_1989_1477	0	6.2	5	70.5	0.8	1.1	0.16	4.6	9.4	0.041	0.44	3.6	5.0	5.0	56	46

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1442	1	<0.1	<1	21.09	3	178	167.7
105J_1989_1443	2	<0.1	1	40.58	3	168	176.0
105J_1989_1444	0	0.2	1	40.62	3	168	166.9
105J_1989_1445	0	<0.1	2	39.60	3	110	110.9
105J_1989_1446	0	<0.1	<1	13.67	<2	72	67.1
105J_1989_1447	0	<0.1	1	37.65	3	219	220.7
105J_1989_1448	0	<0.1	1	15.26	3	357	396.2
105J_1989_1449	0	<0.1	2	27.58	3	331	354.7
105J_1989_1450	0	<0.1	1	41.09	4	205	198.9
105J_1989_1451	0	0.1	1	34.53	<2	169	159.1
105J_1989_1452	0	<0.1	<1	14.26	<2	111	106.5
105J_1989_1453	0	0.2	2	42.95	2	195	206.8
105J_1989_1454	0	0.5	2	35.83	3	120	110.7
105J_1989_1455	0	<0.1	<1	28.05	<2	12	12.7
105J_1989_1456	0	0.2	1	33.05	2	230	211.7
105J_1989_1457	0	<0.1	<1	35.62	3	171	181.1
105J_1989_1458	0	<0.1	<1	39.65	2	318	337.4
105J_1989_1459	0	<0.1	1	31.59	3	206	203.1
105J_1989_1462	1	<0.1	<1	21.90	4	226	224.0
105J_1989_1463	2	<0.1	<1	31.07	3	245	236.9
105J_1989_1464	0	<0.1	<1	26.64	3	179	173.2
105J_1989_1465	0	<0.1	1	32.16	3	204	188.3
105J_1989_1466	0	0.1	<1	46.07	3	194	192.0
105J_1989_1467	0	<0.1	1	38.59	3	175	178.1
105J_1989_1468	0	<0.1	<1	33.76	3	191	187.7
105J_1989_1469	0	<0.1	<1	26.73	<2	989	920.6
105J_1989_1471	0	<0.1	<1	22.88	2	178	172.2
105J_1989_1472	0	<0.1	2	39.14	3	239	265.1
105J_1989_1473	0	0.1	<1	32.96	2	125	137.7
105J_1989_1474	0	<0.1	2	29.14	3	136	143.1
105J_1989_1475	0	0.3	1	39.34	4	558	561.2
105J_1989_1476	0	<0.1	1	13.21	<2	118	103.8
105J_1989_1477	0	0.4	1	19.42	3	174	176.7

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1478	0	0.5	448	1.05	3	3.7	5.3	5			4	327.8	1700	0.16	7.3	0.57
105J_1989_1479	0	0.3	605	0.97	12	15.7	21.0	6			3	716.0	3000	0.27	3.6	0.40
105J_1989_1480	0	<0.2	488	0.93	18	24.5	30.0	4			2	1051.6	4100	0.24	2.7	0.40
105J_1989_1482	1	0.3	424	0.84	18	23.4	30.0	6			2	950.8	3900	0.22	2.1	0.36
105J_1989_1483	2	0.3	432	0.82	18	23.2	29.0	4			2	895.0	3900	0.23	1.8	0.36
105J_1989_1484	0	<0.2	87	0.74	3	4.2	6.0	<2			4	452.0	1300	0.18	6.1	0.47
105J_1989_1485	0	0.5	188	0.72	8	11.0	15.0	<2			2	541.3	2300	0.18	1.7	0.38
105J_1989_1486	0	0.5	517	1.08	6	8.1	11.0	10			2	951.8	3200	0.15	4.8	0.39
105J_1989_1487	0	0.2	191	0.30	<1	0.5	2.0	3			1	128.8	710	0.03	6.7	0.24
105J_1989_1488	0	<0.2	40	0.19	1	1.7	2.2	<2			7	130.5	270	0.02	7.6	1.89
105J_1989_1489	0	0.3	396	0.71	36	53.6	66.0	5			3	415.9	2000	0.19	4.7	0.42
105J_1989_1490	0	<0.2	493	0.83	10	14.0	16.0	4			4	518.3	1900	0.16	4.0	0.58
105J_1989_1491	0	0.4	297	1.01	4	6.0	8.4	4			3	581.7	3300	0.10	4.4	0.56
105J_1989_1492	0	<0.2	161	0.81	2	2.1	3.8	<2			2	390.0	1300	0.13	5.7	0.60
105J_1989_1493	0	<0.2	485	1.11	5	4.9	9.5	13			4	683.5	2000	0.14	14.0	1.09
105J_1989_1494	0	0.9	1087	0.76	9	11.6	16.0	6			4	527.1	4200	0.12	3.3	0.65
105J_1989_1495	0	2.0	2160	0.69	10	12.7	20.0	8			4	1771.9	9960	0.13	3.6	0.83
105J_1989_1496	0	1.9	1683	0.88	7	5.6	10.0	9			3	1108.5	3200	0.15	4.2	0.57
105J_1989_1497	0	<0.2	294	0.85	6	7.5	9.1	3			4	445.4	2200	0.07	12.0	0.78
105J_1989_1498	0	0.2	308	0.97	2	2.7	3.8	5			3	326.9	1900	0.13	6.4	0.61
105J_1989_1499	0	<0.2	199	0.75	6	7.2	8.2	4			3	634.4	2500	0.09	3.9	0.74
105J_1989_1502	0	0.2	304	0.85	8	8.7	11.0	3			5	685.1	2700	0.12	7.3	0.74
105J_1989_1503	1	<0.2	225	0.56	2	0.8	2.7	<2			3	323.6	1100	0.05	7.5	1.16
105J_1989_1504	2	<0.2	230	0.57	1	1.2	3.6	<2			4	337.2	1200	0.05	11.0	1.33
105J_1989_1505	0	<0.2	193	0.46	3	<0.1	5.2	<2			7	414.9	980	0.05	15.0	2.07
105J_1989_1506	0	<0.2	146	0.50	2	2.1	3.4	4			4	264.6	1300	0.05	6.0	1.41
105J_1989_1507	0	0.7	580	1.15	11	14.8	18.0	5			3	804.0	3300	0.25	4.1	0.34
105J_1989_1508	0	<0.2	564	1.11	16	22.0	27.0	4			2	1119.9	4500	0.22	2.8	0.42
105J_1989_1509	0	<0.2	465	1.19	20	28.9	35.0	4			3	1351.9	4300	0.26	3.1	0.38
105J_1989_1510	0	<0.2	404	1.17	13	17.4	20.0	6			2	1004.4	3500	0.27	2.2	0.24
105J_1989_1511	0	<0.2	437	0.96	20	39.0	42.0	<2			2	1353.6	4800	0.18	1.3	0.31
105J_1989_1513	0	<0.2	477	1.36	20	33.4	39.0	3			2	950.4	3700	0.33	8.9	0.42
105J_1989_1514	0	1.1	1243	1.29	65	106.9	113.0	12			2	1176.9	5430	1.02	12.0	0.55

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1478	0	0.7	1.00	41	6	5.6	9	11.7	62	10.0	36	35.43	2	337	2.64	2.43	3.5
105J_1989_1479	0	2.1	2.18	49	9	12.3	16	16.9	79	5.2	53	51.01	<1	460	2.23	2.00	2.4
105J_1989_1480	0	4.8	5.08	48	14	17.6	24	15.5	58	5.7	51	52.92	2	434	2.75	2.66	2.9
105J_1989_1482	1	3.8	3.60	53	13	15.5	24	14.3	57	5.3	48	46.32	1	487	2.56	2.46	3.2
105J_1989_1483	2	3.8	4.01	52	13	15.5	24	14.6	72	5.1	45	46.32	1	519	2.60	2.41	2.9
105J_1989_1484	0	<0.2	0.34	67	10	12.1	16	17.5	68	4.1	22	22.16	<1	398	2.38	2.31	3.1
105J_1989_1485	0	0.6	1.00	56	12	12.3	18	14.1	66	4.3	31	33.43	1	418	2.44	2.48	3.5
105J_1989_1486	0	1.8	2.21	43	12	14.5	21	14.2	63	5.4	54	55.68	<1	448	2.34	2.28	2.9
105J_1989_1487	0	0.5	0.82	24	2	1.4	11	3.8	<20	1.3	29	31.29	<1	290	0.48	0.40	2.3
105J_1989_1488	0	<0.2	0.46	11	2	1.2	<5	2.3	<20	<0.5	9	9.13	<1	109	0.41	0.34	0.8
105J_1989_1489	0	0.7	1.42	47	8	9.2	12	10.5	69	6.6	35	34.15	<1	457	2.32	2.20	2.9
105J_1989_1490	0	1.2	1.93	45	13	16.0	18	11.8	63	6.5	39	40.04	1	462	2.50	2.39	2.8
105J_1989_1491	0	1.0	1.52	38	8	8.3	11	18.6	53	3.6	31	31.01	1	455	2.42	2.20	2.8
105J_1989_1492	0	0.4	0.92	48	9	9.0	15	11.3	35	2.7	27	26.07	<1	351	1.79	1.75	2.1
105J_1989_1493	0	1.9	2.45	39	15	20.3	27	14.1	24	4.5	67	58.36	<1	452	3.79	3.72	3.9
105J_1989_1494	0	5.8	6.13	38	10	10.3	14	25.8	84	3.4	67	62.75	1	523	1.66	1.33	1.7
105J_1989_1495	0	9.8	10.55	44	6	6.7	12	32.0	93	3.3	77	71.84	2	549	1.63	1.51	2.4
105J_1989_1496	0	9.7	10.00	43	7	7.6	10	25.8	88	3.7	81	73.42	<1	451	1.74	1.49	2.2
105J_1989_1497	0	1.1	1.87	50	5	6.7	11	11.0	41	3.4	18	18.59	<1	390	2.15	1.68	2.5
105J_1989_1498	0	0.4	1.11	65	7	7.1	9	15.3	53	3.9	28	27.55	<1	455	1.73	1.47	2.1
105J_1989_1499	0	0.5	0.91	58	5	6.3	9	11.7	63	3.3	17	16.97	<1	528	1.55	1.54	2.3
105J_1989_1502	0	1.4	1.66	56	7	8.9	11	13.5	57	4.5	29	27.81	1	457	2.32	2.20	2.9
105J_1989_1503	1	1.9	2.18	33	2	2.4	9	7.0	46	2.2	16	17.00	<1	361	0.89	0.82	2.0
105J_1989_1504	2	1.9	1.73	34	3	2.5	9	7.7	42	2.4	18	18.80	<1	303	0.92	0.87	2.3
105J_1989_1505	0	4.4	3.62	32	5	3.9	6	5.0	<20	1.6	32	27.39	<1	206	1.04	1.04	1.9
105J_1989_1506	0	0.8	0.71	46	3	3.0	<5	6.3	41	2.9	15	14.53	<1	326	0.76	0.74	1.4
105J_1989_1507	0	3.3	2.82	63	7	6.9	8	17.3	78	6.4	35	32.66	1	370	1.96	1.63	2.2
105J_1989_1508	0	5.9	4.98	76	10	9.3	12	16.0	85	5.9	34	33.33	<1	360	2.28	1.91	2.7
105J_1989_1509	0	7.0	6.37	71	12	12.3	14	16.8	68	6.5	37	34.97	<1	329	2.26	2.35	3.1
105J_1989_1510	0	1.4	1.26	67	6	6.6	8	15.2	64	6.4	27	25.34	<1	310	1.92	1.80	2.4
105J_1989_1511	0	1.6	1.50	64	7	8.1	11	13.9	68	5.4	30	29.29	1	303	2.65	2.57	3.2
105J_1989_1513	0	3.5	3.18	74	11	14.7	18	15.3	62	6.4	26	25.16	<1	335	2.86	2.48	3.5
105J_1989_1514	0	15.7	15.90	69	14	15.8	19	23.3	80	6.6	90	91.13	1	557	3.24	3.00	3.6

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1478	0	2.6	4	156	154	0.12	6.5	33	14.9	<0.2	0.29	418	403	<2	0.81	1
105J_1989_1479	0	2.5	4	204	199	0.08	11.5	37	7.5	<0.2	0.30	115	122	4	4.25	5
105J_1989_1480	0	2.3	4	146	155	0.09	15.5	41	5.3	<0.2	0.28	532	665	6	6.35	7
105J_1989_1482	1	2.1	4	139	140	0.08	12.9	40	5.6	<0.2	0.25	461	482	5	5.68	9
105J_1989_1483	2	2.1	4	133	149	0.08	12.2	40	5.1	<0.2	0.25	488	544	5	6.04	8
105J_1989_1484	0	2.4	8	82	68	0.12	9.5	45	7.6	<0.2	0.34	212	247	<2	0.72	2
105J_1989_1485	0	2.2	4	116	114	0.09	8.1	39	3.8	<0.2	0.31	632	720	2	2.73	4
105J_1989_1486	0	2.5	5	204	239	0.12	8.7	33	6.8	<0.2	0.29	452	516	4	3.35	5
105J_1989_1487	0	0.9	2	105	113	0.03	2.4	16	22.8	<0.2	0.08	39	41	4	3.51	6
105J_1989_1488	0	0.5	<1	58	52	0.01	0.6	5	67.8	<0.2	0.27	477	404	2	1.08	3
105J_1989_1489	0	1.7	4	218	225	0.09	6.8	34	10.0	<0.2	0.15	536	547	2	2.26	3
105J_1989_1490	0	1.9	5	258	287	0.12	7.3	32	11.4	<0.2	0.18	387	387	2	3.11	5
105J_1989_1491	0	2.7	3	151	147	0.10	13.9	30	13.6	<0.2	0.48	627	613	<2	0.63	<1
105J_1989_1492	0	2.0	4	88	80	0.06	10.1	34	16.2	<0.2	0.28	857	702	<2	0.31	2
105J_1989_1493	0	2.5	3	228	258	0.09	13.0	28	24.4	<0.2	0.45	4086	3109	<2	1.40	3
105J_1989_1494	0	2.3	2	309	346	0.08	16.5	33	17.4	<0.2	0.23	394	310	6	6.80	8
105J_1989_1495	0	2.5	3	313	339	0.08	9.2	34	12.8	<0.2	0.22	1134	1022	10	10.84	14
105J_1989_1496	0	2.8	2	398	481	0.08	9.6	25	21.2	<0.2	0.22	404	304	6	6.24	6
105J_1989_1497	0	2.5	3	143	146	0.09	7.9	22	17.0	<0.2	0.32	4860	3397	<2	1.22	2
105J_1989_1498	0	2.8	4	143	145	0.08	11.5	30	15.0	<0.2	0.34	201	166	<2	0.52	<1
105J_1989_1499	0	2.3	6	105	100	0.10	10.5	28	8.6	<0.2	0.36	311	321	<2	1.11	1
105J_1989_1502	0	2.5	4	133	133	0.12	12.0	29	11.6	<0.2	0.36	820	736	2	2.24	2
105J_1989_1503	1	1.4	3	95	85	0.02	6.0	15	23.1	<0.2	0.13	196	202	<2	0.90	2
105J_1989_1504	2	1.5	4	102	85	0.03	5.5	18	29.5	<0.2	0.13	274	234	<2	1.08	2
105J_1989_1505	0	1.1	2	109	92	0.02	5.5	15	49.9	<0.2	0.15	159	142	2	2.73	4
105J_1989_1506	0	1.5	3	88	74	0.05	7.5	22	20.3	<0.2	0.19	384	306	<2	0.25	<1
105J_1989_1507	0	2.9	3	173	178	0.10	12.6	31	13.4	<0.2	0.28	152	145	11	10.99	11
105J_1989_1508	0	2.9	5	168	180	0.11	12.2	38	8.8	<0.2	0.26	990	942	10	10.26	10
105J_1989_1509	0	3.1	4	161	155	0.14	15.0	36	7.4	<0.2	0.31	512	585	11	11.14	12
105J_1989_1510	0	3.4	4	146	141	0.13	15.0	32	6.9	<0.2	0.29	461	461	4	3.88	4
105J_1989_1511	0	2.7	4	129	138	0.10	10.1	30	7.8	<0.2	0.24	197	217	5	4.87	5
105J_1989_1513	0	3.5	4	129	112	0.11	13.0	33	12.7	<0.2	0.29	1746	1794	5	5.20	5
105J_1989_1514	0	3.0	4	350	400	0.11	16.1	34	10.6	<0.2	0.27	831	847	13	12.99	12

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1478	0	0.010	0.48	29	27.7	0.081	12	16.72	90	0.08	0.8	0.67	1.3	3.4	13.0	2.8
105J_1989_1479	0	0.011	0.50	59	56.0	0.122	15	15.89	78	0.19	3.1	2.57	4.1	2.8	11.0	7.3
105J_1989_1480	0	0.008	0.41	81	86.8	0.153	12	13.93	78	0.06	3.3	2.74	4.4	2.4	10.0	3.0
105J_1989_1482	1	0.008	0.45	73	68.8	0.140	13	13.21	79	0.07	3.4	2.86	4.3	2.4	10.0	2.9
105J_1989_1483	2	0.008	0.47	73	74.8	0.139	12	12.81	77	0.07	3.1	2.96	4.2	2.2	10.0	2.9
105J_1989_1484	0	0.012	0.73	24	24.6	0.063	12	13.66	80	0.07	0.7	0.58	1.0	2.8	12.0	0.5
105J_1989_1485	0	0.008	0.69	31	33.8	0.091	10	12.13	80	0.07	1.6	1.39	2.4	2.5	12.0	1.3
105J_1989_1486	0	0.006	0.43	90	93.3	0.107	10	9.52	71	0.06	2.0	1.53	2.6	2.5	11.0	3.0
105J_1989_1487	0	0.059	2.09	10	11.4	0.029	<2	1.42	23	0.22	0.3	0.33	0.6	0.5	8.6	0.8
105J_1989_1488	0	0.026	0.70	6	8.2	0.036	<2	0.69	10	0.66	0.3	0.45	0.5	0.3	2.1	0.5
105J_1989_1489	0	0.007	0.41	40	37.6	0.136	9	9.89	78	0.09	3.3	2.23	4.0	2.9	11.0	2.6
105J_1989_1490	0	0.010	0.32	60	57.9	0.153	7	10.02	74	0.19	2.8	2.31	3.8	3.3	10.0	3.3
105J_1989_1491	0	0.011	0.44	32	32.9	0.142	6	7.27	62	0.23	0.7	0.58	1.0	2.2	8.3	3.7
105J_1989_1492	0	0.012	0.67	18	19.5	0.095	7	9.53	61	0.19	0.4	0.31	0.6	1.8	7.5	1.4
105J_1989_1493	0	0.011	0.46	68	66.0	0.144	10	10.25	58	0.19	0.9	0.96	1.5	2.7	7.6	11.5
105J_1989_1494	0	0.009	0.32	81	71.4	0.121	9	9.56	62	0.47	3.8	3.71	5.8	2.5	8.7	5.7
105J_1989_1495	0	0.006	0.50	87	78.7	0.210	7	9.97	62	0.11	4.5	4.69	8.0	2.2	9.3	8.6
105J_1989_1496	0	0.014	0.63	80	71.6	0.146	7	10.15	60	0.20	3.8	4.26	5.9	2.3	7.5	16.4
105J_1989_1497	0	0.010	0.66	17	16.7	0.149	6	5.28	75	0.15	0.5	0.37	0.7	1.6	6.9	1.2
105J_1989_1498	0	0.010	0.57	19	18.8	0.114	6	8.48	75	0.19	0.5	0.52	1.0	2.4	7.9	1.2
105J_1989_1499	0	0.011	0.55	17	18.3	0.141	6	7.33	66	0.07	1.0	0.87	1.5	2.2	7.1	0.9
105J_1989_1502	0	0.011	0.49	27	26.5	0.143	10	10.40	73	0.09	1.5	1.28	2.2	2.8	8.0	2.0
105J_1989_1503	1	0.014	1.20	11	11.9	0.131	3	3.75	32	0.26	0.4	0.54	0.8	1.1	6.9	5.2
105J_1989_1504	2	0.014	1.20	13	12.1	0.131	<2	3.37	37	0.32	0.4	0.53	0.9	1.2	7.5	5.5
105J_1989_1505	0	0.015	0.84	17	15.1	0.092	3	3.19	24	0.54	0.7	1.17	1.5	1.2	4.8	24.9
105J_1989_1506	0	0.017	0.87	12	11.0	0.091	4	4.04	55	0.11	0.4	0.56	1.0	1.6	6.2	1.7
105J_1989_1507	0	0.011	0.52	70	66.0	0.121	11	13.01	85	0.13	2.6	2.43	3.9	1.9	10.0	3.1
105J_1989_1508	0	0.011	0.74	82	79.6	0.137	11	11.08	96	0.11	3.2	2.82	4.7	2.0	9.3	4.7
105J_1989_1509	0	0.014	0.75	70	69.4	0.112	8	11.11	97	0.06	3.3	2.56	4.4	2.2	9.3	3.4
105J_1989_1510	0	0.015	0.87	26	25.3	0.070	9	9.82	110	0.04	1.8	1.40	2.5	2.2	8.7	1.4
105J_1989_1511	0	0.014	0.73	33	34.0	0.090	11	10.68	81	0.07	2.5	1.71	3.0	2.1	8.7	2.7
105J_1989_1513	0	0.012	0.85	35	32.2	0.090	10	11.46	110	0.07	3.0	1.51	2.7	1.8	9.3	2.5
105J_1989_1514	0	0.015	0.53	176	182.7	0.181	14	18.93	96	0.12	7.0	6.37	9.1	3.0	9.0	10.2

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1478	0	4.7	4	52.2	0.8	0.8	0.03	2.2	8.6	0.004	0.23	1.0	3.9	4.0	23	24
105J_1989_1479	0	4.9	3	54.9	1.0	0.9	0.04	3.4	8.8	0.010	0.27	3.1	6.5	6.1	62	60
105J_1989_1480	0	5.6	5	55.3	1.0	1.1	0.04	3.5	8.2	0.011	0.29	4.6	8.2	7.3	65	67
105J_1989_1482	1	5.2	3	52.2	0.9	1.0	0.04	3.2	8.6	0.010	0.27	3.8	7.9	6.4	65	59
105J_1989_1483	2	5.2	2	51.4	0.9	0.9	0.05	2.9	8.6	0.010	0.28	3.8	7.4	6.3	59	59
105J_1989_1484	0	5.6	3	50.9	1.3	1.0	0.03	3.4	14.0	0.013	0.09	0.6	4.1	3.9	24	25
105J_1989_1485	0	4.8	3	48.5	1.0	0.9	0.04	2.7	10.0	0.009	0.13	1.4	4.6	3.9	36	34
105J_1989_1486	0	4.3	4	49.6	0.8	1.0	0.05	2.1	7.5	0.006	0.27	1.8	5.0	4.4	48	50
105J_1989_1487	0	2.3	1	34.2	<0.5	<0.5	<0.02	<0.1	3.1	0.014	0.04	1.1	2.5	2.8	13	12
105J_1989_1488	0	0.6	6	169.1	<0.5	<0.5	<0.02	0.1	1.2	0.009	0.02	0.7	1.1	1.3	14	8
105J_1989_1489	0	4.7	2	46.2	0.9	0.9	0.04	2.7	8.3	0.003	0.26	1.9	5.1	4.8	34	35
105J_1989_1490	0	4.3	4	53.4	0.8	1.0	0.03	2.9	7.7	0.004	0.33	2.3	5.2	5.6	43	44
105J_1989_1491	0	3.8	3	61.1	0.8	0.7	0.03	3.2	7.0	0.004	0.17	1.9	4.6	3.9	39	39
105J_1989_1492	0	4.4	3	56.0	0.8	0.7	<0.02	3.2	9.0	0.004	0.09	2.0	4.0	4.0	21	21
105J_1989_1493	0	4.0	6	87.1	0.7	0.8	0.03	2.8	7.6	0.004	0.20	2.7	5.4	5.1	40	37
105J_1989_1494	0	3.6	4	73.5	0.9	0.9	0.04	2.0	6.2	0.005	0.63	10.9	17.0	15.4	196	203
105J_1989_1495	0	3.9	5	99.5	0.5	0.9	0.09	1.3	6.3	0.005	0.42	9.5	15.0	12.0	191	215
105J_1989_1496	0	3.4	2	68.1	0.6	0.6	0.08	1.6	6.4	0.004	0.32	14.8	17.0	17.8	151	171
105J_1989_1497	0	3.1	3	49.3	0.7	0.6	0.02	1.1	6.1	0.005	0.19	2.1	4.3	3.8	35	32
105J_1989_1498	0	4.2	2	56.5	0.8	0.7	0.02	2.9	7.9	0.004	0.14	2.2	4.6	4.5	36	35
105J_1989_1499	0	4.2	4	83.9	0.9	0.5	0.02	2.7	7.5	0.008	0.12	1.4	3.9	3.4	34	36
105J_1989_1502	0	4.2	4	62.4	0.7	<0.5	0.05	3.0	8.0	0.007	0.19	2.5	5.1	4.8	44	45
105J_1989_1503	1	3.0	3	49.3	<0.5	<0.5	0.02	0.6	4.3	0.005	0.20	1.6	3.3	3.4	17	17
105J_1989_1504	2	3.1	4	54.1	0.6	<0.5	0.02	0.5	4.6	0.005	0.20	1.7	3.8	3.4	18	19
105J_1989_1505	0	1.8	7	69.4	<0.5	<0.5	<0.02	0.7	3.5	0.011	0.09	8.4	11.0	10.7	15	14
105J_1989_1506	0	3.0	4	56.7	0.5	<0.5	0.02	1.2	5.6	0.009	0.09	1.1	3.1	2.7	17	16
105J_1989_1507	0	4.3	6	37.5	0.7	0.6	0.04	1.4	8.1	0.011	0.29	4.7	8.0	8.0	63	61
105J_1989_1508	0	5.6	2	35.2	0.7	0.7	0.05	2.3	10.0	0.014	0.29	3.2	6.3	6.1	89	83
105J_1989_1509	0	5.2	3	30.3	0.7	0.6	0.04	2.2	10.0	0.019	0.33	4.1	7.5	7.1	72	67
105J_1989_1510	0	4.8	2	24.4	0.7	0.6	0.05	3.0	9.4	0.021	0.26	2.3	5.3	4.9	51	46
105J_1989_1511	0	4.8	3	33.2	0.7	0.6	0.05	2.8	8.1	0.009	0.21	1.6	4.3	4.2	39	37
105J_1989_1513	0	4.7	3	37.5	0.7	0.7	0.05	1.3	9.5	0.016	0.26	2.1	4.9	4.9	54	48
105J_1989_1514	0	5.8	3	71.6	1.0	0.9	0.11	2.6	9.3	0.022	0.44	11.9	16.0	15.7	135	139

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1478	0	<0.1	<1	23.11	3	154	148.6
105J_1989_1479	0	0.4	2	33.34	3	322	351.5
105J_1989_1480	0	1.2	<1	43.96	3	545	599.5
105J_1989_1482	1	0.2	<1	33.98	3	451	466.2
105J_1989_1483	2	0.5	1	22.32	3	469	504.3
105J_1989_1484	0	<0.1	2	25.37	2	99	91.3
105J_1989_1485	0	0.2	2	40.12	2	159	172.3
105J_1989_1486	0	0.1	<1	32.59	3	369	423.3
105J_1989_1487	0	<0.1	<1	20.89	<2	20	20.5
105J_1989_1488	0	<0.1	<1	12.22	<2	45	43.4
105J_1989_1489	0	0.1	<1	19.51	3	212	214.3
105J_1989_1490	0	<0.1	1	19.65	2	291	336.2
105J_1989_1491	0	<0.1	<1	17.93	<2	203	212.9
105J_1989_1492	0	<0.1	<1	28.97	<2	132	129.9
105J_1989_1493	0	<0.1	1	11.83	<2	377	382.3
105J_1989_1494	0	<0.1	<1	27.87	2	549	543.4
105J_1989_1495	0	0.1	2	31.04	2	803	745.8
105J_1989_1496	0	<0.1	<1	20.95	<2	662	599.9
105J_1989_1497	0	<0.1	<1	27.94	<2	131	138.3
105J_1989_1498	0	<0.1	<1	26.10	<2	137	146.8
105J_1989_1499	0	<0.1	1	32.30	2	114	120.6
105J_1989_1502	0	0.1	1	29.82	<2	200	191.7
105J_1989_1503	1	0.2	<1	12.56	<2	92	102.5
105J_1989_1504	2	<0.1	<1	25.70	<2	99	103.3
105J_1989_1505	0	<0.1	<1	19.18	<2	162	154.1
105J_1989_1506	0	<0.1	<1	30.05	<2	65	66.5
105J_1989_1507	0	0.4	1	27.90	<2	602	555.4
105J_1989_1508	0	2.0	1	34.24	<2	824	769.9
105J_1989_1509	0	0.8	1	33.34	3	702	677.7
105J_1989_1510	0	0.6	2	35.66	<2	147	146.8
105J_1989_1511	0	0.8	2	14.61	<2	156	166.7
105J_1989_1513	0	0.7	1	28.02	<2	235	222.2
105J_1989_1514	0	0.8	2	28.71	3	1670	1699.5

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1515	0	1.1	1483	1.34	50	79.0	90.2	10			4	1404.8	7870	0.82	13.0	0.55
105J_1989_1516	0	0.3	391	1.12	20	31.3	35.0	4			2	1333.1	4600	0.24	3.5	0.22
105J_1989_1517	0	0.6	446	1.01	17	34.3	36.0	5			1	511.0	2000	0.18	17.0	0.43
105J_1989_1518	0	<0.2	265	0.75	11	15.8	20.0	4			2	1150.9	4900	0.10	1.6	0.13
105J_1989_1519	0	<0.2	259	0.77	11	14.4	18.0	<2			1	1149.4	4700	0.11	1.3	0.13
105J_1989_1520	0	1.3	1570	0.82	19	37.0	45.0	12			5	1231.8	10000	0.41	4.0	0.58
105J_1989_1522	1	0.4	1248	2.07	750	987.4	832.0	25	39	25.57	2	558.0	3000	5.73	16.0	0.58
105J_1989_1523	2	0.9	1317	1.86	700	855.0	774.0	31	45	9.32	2	554.0	2800	5.92	16.0	0.63
105J_1989_1524	0	0.7	1187	1.91	70	105.0	115.0	8			3	775.2	3800	0.83	14.0	0.51
105J_1989_1525	0	0.6	985	0.66	15	20.0	29.0	8			3	1364.2	3000	0.12	26.0	1.41
105J_1989_1526	0	0.9	1234	2.02	45	63.4	80.6	15	11	15.22	1	508.5	3200	0.44	23.0	0.37
105J_1989_1527	0	0.9	838	2.17	110	161.4	193.0	7			1	223.8	1200	1.60	22.0	0.45
105J_1989_1528	0	1.6	1556	0.56	50	66.2	82.1	10			4	726.3	2100	0.22	16.0	1.12
105J_1989_1530	0	0.6	842	1.26	19	32.1	39.0	8			3	666.3	2900	0.32	10.0	0.31
105J_1989_1531	0	0.2	317	0.86	14	16.9	22.0	6			3	1083.1	4100	0.27	2.5	0.36
105J_1989_1532	0	<0.2	303	0.88	18	21.0	29.0	5			2	754.4	3700	0.31	2.8	0.52
105J_1989_1533	0	<0.2	425	0.81	11	13.9	18.0	4			3	598.6	4000	0.13	4.0	0.49
105J_1989_1534	0	0.4	850	1.48	90	137.2	158.0	<2			4	830.9	2500	0.14	4.1	0.68
105J_1989_1535	0	<0.2	427	0.91	13	16.8	22.0	5			3	715.8	3700	0.26	2.4	0.48
105J_1989_1536	0	0.5	656	1.09	15	7.9	9.3	4			10	232.6	1600	0.17	17.0	1.80
105J_1989_1537	0	0.4	640	0.68	12	20.5	23.0	7			6	664.9	2800	0.12	9.0	1.56
105J_1989_1538	0	0.7	638	0.77	10	13.4	18.0	9			5	970.5	6170	0.16	1.6	0.67
105J_1989_1539	0	0.6	605	0.71	14	14.8	20.0	9			5	933.8	6230	0.17	0.8	0.67
105J_1989_1540	0	0.7	962	0.95	11	13.7	18.0	13			5	1220.0	6010	0.23	1.8	0.41
105J_1989_1542	1	0.3	760	1.27	15	18.9	23.0	12			4	389.6	3500	0.34	2.0	0.56
105J_1989_1544	2	0.5	699	1.21	14	18.2	23.0	11			4	396.5	3800	0.32	2.5	0.56
105J_1989_1545	0	1.9	1844	0.54	16	18.7	25.0	13			5	1144.0	7470	0.20	3.2	0.45
105J_1989_1546	0	1.2	1068	0.80	17	20.6	26.0	13			5	1652.5	8160	0.22	3.4	0.50
105J_1989_1547	0	0.6	1012	1.16	22	31.8	37.0	11			3	999.7	5990	0.30	4.6	0.36
105J_1989_1548	0	1.6	1757	0.73	20	26.3	30.0	9			3	1796.7	13400	0.19	11.0	0.85
105J_1989_1549	0	<0.2	625	0.88	40	66.0	66.0	<2			3	753.8	3700	0.23	4.3	0.34
105J_1989_1550	0	0.2	557	1.31	7	6.7	11.0	<2			3	835.7	3600	0.25	6.3	0.53
105J_1989_1551	0	0.5	712	1.22	18	24.1	32.0	7			3	646.5	4900	0.34	2.9	0.46

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1515	0	12.6	12.73	68	13	17.8	23	25.1	110	7.2	103	101.83	<1	521	2.76	2.74	3.3
105J_1989_1516	0	1.0	0.81	78	13	15.0	21	15.4	77	6.6	22	21.35	<1	463	3.58	3.22	4.2
105J_1989_1517	0	6.6	5.97	49	6	5.7	<5	11.3	44	3.6	54	51.61	<1	176	3.39	3.26	4.1
105J_1989_1518	0	0.9	0.95	75	6	7.2	9	9.8	60	5.7	18	18.06	<1	312	2.16	2.03	3.0
105J_1989_1519	0	0.8	1.01	65	7	7.5	11	10.7	62	5.1	18	18.91	1	267	2.10	1.97	2.8
105J_1989_1520	0	11.2	11.62	81	7	7.4	11	33.6	160	5.5	125	129.45	1	666	2.56	2.69	3.8
105J_1989_1522	1	27.0	32.81	89	29	41.4	39	21.9	49	15.0	298	358.67	2	406	3.34	3.14	3.5
105J_1989_1523	2	30.3	36.64	81	19	33.5	30	21.7	94	19.0	281	313.59	<1	600	3.27	3.10	3.7
105J_1989_1524	0	14.2	13.71	63	18	24.1	33	27.4	91	8.0	103	100.60	2	484	3.15	3.38	4.9
105J_1989_1525	0	51.7	52.25	15	26	37.2	42	8.9	<20	2.2	91	85.16	<1	216	5.64	5.26	6.1
105J_1989_1526	0	11.4	11.28	50	16	23.1	29	23.3	130	8.2	109	104.73	<1	397	3.47	3.35	4.5
105J_1989_1527	0	9.5	8.57	88	14	15.0	22	29.8	75	14.0	93	86.98	<1	310	2.62	2.53	4.2
105J_1989_1528	0	11.4	11.34	<5	5	5.3	7	16.4	<20	1.9	123	122.40	<1	173	19.25	16.81	19.0
105J_1989_1530	0	3.3	2.85	57	17	17.2	22	18.8	55	5.6	41	40.51	1	419	3.67	3.62	4.8
105J_1989_1531	0	2.3	2.09	79	6	6.0	9	13.2	57	5.4	22	22.29	<1	369	1.73	1.58	2.4
105J_1989_1532	0	1.6	1.35	75	5	5.5	8	13.9	70	6.2	25	23.65	<1	402	1.71	1.64	2.5
105J_1989_1533	0	2.0	1.95	67	6	6.5	10	15.8	97	5.1	30	28.94	<1	563	2.03	2.07	3.1
105J_1989_1534	0	43.7	51.86	35	5	5.8	8	31.4	98	4.1	149	161.70	<1	1058	5.24	5.73	8.1
105J_1989_1535	0	1.5	1.43	72	5	6.2	7	16.0	78	5.5	31	31.69	<1	428	1.62	1.48	2.3
105J_1989_1536	0	1.6	5.33	34	5	8.2	8	18.9	66	3.6	32	74.38	<1	410	1.74	1.25	1.6
105J_1989_1537	0	6.0	5.75	33	5	6.7	9	14.0	50	2.7	63	62.77	<1	309	8.15	8.07	8.9
105J_1989_1538	0	2.9	2.52	54	7	7.1	8	21.0	90	4.9	67	64.50	1	624	1.96	1.74	2.4
105J_1989_1539	0	3.0	2.64	65	7	7.5	12	19.5	110	4.8	70	65.38	<1	680	1.94	1.90	2.6
105J_1989_1540	0	3.4	2.79	60	6	6.8	10	23.6	120	5.4	84	77.36	<1	595	2.48	1.99	2.8
105J_1989_1542	1	2.0	1.88	73	8	9.6	12	24.6	88	6.1	71	67.42	<1	512	2.60	2.41	3.2
105J_1989_1544	2	1.7	1.78	70	9	9.2	13	24.0	88	6.8	63	63.29	<1	447	2.42	2.30	3.4
105J_1989_1545	0	10.9	10.78	68	14	14.4	17	23.3	180	4.9	132	130.36	1	600	2.84	2.75	3.7
105J_1989_1546	0	10.2	10.02	70	9	11.1	13	24.2	140	5.7	95	96.81	<1	555	2.59	2.57	3.4
105J_1989_1547	0	12.4	11.89	66	14	16.8	20	29.0	140	6.7	86	80.79	1	466	2.89	2.78	3.6
105J_1989_1548	0	36.6	38.81	56	11	12.1	13	34.7	150	3.7	107	105.46	1	636	2.77	2.56	3.2
105J_1989_1549	0	6.2	5.81	35	5	6.4	6	17.1	43	4.0	46	49.84	<1	391	8.68	9.46	9.1
105J_1989_1550	0	5.9	5.42	64	7	7.4	11	20.3	70	7.2	53	53.66	1	385	1.56	1.33	1.8
105J_1989_1551	0	4.3	3.74	59	12	13.1	16	25.4	73	6.6	67	61.66	<1	420	2.63	2.47	3.3

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1515	0	3.1	4	381	445	0.13	15.8	36	11.4	<0.2	0.27	797	870	13	14.22	14
105J_1989_1516	0	3.2	4	112	103	0.11	12.2	35	10.2	0.3	0.28	585	573	5	4.79	5
105J_1989_1517	0	1.7	1	180	187	0.05	8.7	19	53.8	<0.2	0.13	109	88	2	4.14	4
105J_1989_1518	0	1.9	4	92	88	0.05	6.7	34	5.8	<0.2	0.16	147	169	4	4.36	4
105J_1989_1519	0	2.0	4	80	77	0.05	6.9	32	4.1	<0.2	0.17	160	198	4	4.19	4
105J_1989_1520	0	2.9	4	383	425	0.14	16.7	43	7.0	<0.2	0.20	170	237	17	17.60	17
105J_1989_1522	1	4.7	3	75	81	0.13	25.9	40	13.0	<0.2	0.35	1206	1379	12	13.79	11
105J_1989_1523	2	4.9	<1	82	85	0.13	24.7	39	16.8	<0.2	0.36	990	1081	11	11.79	12
105J_1989_1524	0	3.9	4	245	291	0.13	17.8	35	9.7	<0.2	0.32	1224	1458	19	16.74	17
105J_1989_1525	0	1.3	1	493	611	0.07	4.1	11	57.8	<0.2	0.26	7488	4859	16	22.88	22
105J_1989_1526	0	3.1	3	325	328	0.09	17.1	30	14.0	<0.2	0.26	1224	1301	16	17.92	18
105J_1989_1527	0	6.5	4	61	45	0.15	25.1	41	10.4	<0.2	0.64	357	388	6	5.13	6
105J_1989_1528	0	1.3	<1	530	701	0.08	3.9	8	45.1	<0.2	0.24	1242	1860	21	36.63	33
105J_1989_1530	0	3.3	4	252	243	0.08	12.1	30	12.0	<0.2	0.28	760	756	10	9.51	10
105J_1989_1531	0	2.5	8	112	123	0.09	14.4	41	5.5	<0.2	0.26	402	379	4	3.88	4
105J_1989_1532	0	2.6	6	116	111	0.09	14.6	39	7.1	<0.2	0.29	402	376	10	8.82	10
105J_1989_1533	0	2.2	4	187	205	0.08	11.9	34	7.6	<0.2	0.29	973	899	4	3.61	4
105J_1989_1534	0	2.4	2	167	193	0.17	8.5	27	14.5	<0.2	0.11	119	148	30	31.52	31
105J_1989_1535	0	2.7	4	139	146	0.09	13.4	32	7.4	<0.2	0.28	461	436	10	9.06	10
105J_1989_1536	0	2.3	1	369	292	0.14	5.9	14	40.3	<0.2	0.47	472	140	9	6.46	7
105J_1989_1537	0	1.7	2	277	300	0.08	5.9	15	29.0	<0.2	0.25	494	514	4	3.24	3
105J_1989_1538	0	2.5	2	308	330	0.15	13.7	31	7.8	<0.2	0.28	400	400	7	6.80	8
105J_1989_1539	0	2.3	3	312	310	0.14	13.8	33	5.7	<0.2	0.29	412	436	8	7.31	8
105J_1989_1540	0	2.8	3	448	448	0.14	16.2	35	9.0	<0.2	0.28	98	107	6	5.76	5
105J_1989_1542	1	3.7	3	273	246	0.14	14.8	32	8.9	<0.2	0.48	523	561	6	5.12	5
105J_1989_1544	2	3.8	4	238	236	0.14	15.2	35	9.1	<0.2	0.47	532	550	5	4.86	5
105J_1989_1545	0	1.7	3	382	383	0.13	10.0	34	11.1	<0.2	0.19	684	732	16	17.32	17
105J_1989_1546	0	2.5	4	333	359	0.14	11.5	30	7.4	<0.2	0.29	758	837	13	13.92	15
105J_1989_1547	0	3.0	3	382	392	0.11	14.2	34	11.0	<0.2	0.31	384	376	10	10.33	10
105J_1989_1548	0	2.3	2	683	811	0.12	10.6	29	13.7	<0.2	0.23	1818	2114	11	18.71	18
105J_1989_1549	0	2.2	2	273	299	0.09	10.6	21	17.1	<0.2	0.27	327	436	6	6.92	6
105J_1989_1550	0	3.3	3	238	238	0.12	12.6	28	15.0	<0.2	0.40	922	785	4	3.62	5
105J_1989_1551	0	3.6	4	207	196	0.13	15.7	34	9.1	<0.2	0.46	507	515	9	8.60	9

Unique ID	Rep Stat	Na ICP-MS	Na INAA	Ni AAS	Ni ICP-MS	P ICP-MS	Pb AAS	Pb ICP-MS	Rb INAA	S ICP-MS	Sb HY-AAS	Sb ICP-MS	Sb INAA	Sc ICP-MS	Sc INAA	Se ICP-MS
		%	pct	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.001	0.02	2	0.1	0.001	2	0.01	5	0.01	0.2	0.02	0.1	0.1	0.2	0.1
105J_1989_1515	0	0.018	0.49	172	170.8	0.196	13	17.30	96	0.11	7.5	7.26	10.4	3.0	9.3	8.4
105J_1989_1516	0	0.010	0.57	32	30.0	0.088	12	12.88	99	0.07	2.6	1.85	3.5	2.1	10.0	2.1
105J_1989_1517	0	0.012	0.50	43	42.6	0.131	8	8.72	49	0.69	2.1	2.74	3.2	1.5	6.7	5.5
105J_1989_1518	0	0.007	0.66	26	27.5	0.079	7	8.28	92	0.07	2.2	1.84	3.6	1.8	10.0	2.2
105J_1989_1519	0	0.008	0.65	26	28.6	0.075	7	8.63	87	0.06	2.1	1.68	3.4	1.8	9.3	2.0
105J_1989_1520	0	0.011	0.39	91	100.2	0.261	15	17.10	99	0.11	8.0	9.17	13.1	3.6	11.0	9.7
105J_1989_1522	1	0.015	0.76	233	264.1	0.197	20	23.10	96	0.14	9.0	7.78	9.3	2.7	9.2	9.5
105J_1989_1523	2	0.014	0.72	236	259.3	0.187	17	26.56	100	0.15	8.5	7.28	9.5	2.6	10.0	8.2
105J_1989_1524	0	0.033	1.00	123	124.3	0.218	21	24.90	81	0.10	10.5	11.34	16.1	2.9	11.0	9.5
105J_1989_1525	0	0.008	0.33	278	298.0	0.283	7	6.29	39	0.30	2.7	6.52	7.3	1.1	5.1	29.4
105J_1989_1526	0	0.011	0.72	94	99.0	0.204	21	26.89	77	0.12	13.0	14.10	21.7	2.3	10.0	8.8
105J_1989_1527	0	0.048	1.70	103	98.7	0.093	62	75.15	89	0.05	6.5	5.83	10.1	3.1	12.0	2.6
105J_1989_1528	0	0.005	0.11	136	153.7	0.641	12	7.40	24	0.46	9.0	11.05	12.7	2.5	4.3	58.6
105J_1989_1530	0	0.014	0.71	77	74.7	0.144	10	10.82	83	0.15	3.2	2.79	4.7	2.6	9.5	7.3
105J_1989_1531	0	0.016	1.10	41	37.5	0.094	8	8.53	110	0.05	1.8	1.85	2.9	2.0	8.6	2.6
105J_1989_1532	0	0.016	0.95	48	43.5	0.104	6	9.07	110	0.05	2.4	2.34	3.7	2.0	9.3	4.7
105J_1989_1533	0	0.008	0.55	43	41.6	0.168	6	7.05	96	0.08	2.0	2.00	3.1	1.9	8.7	2.7
105J_1989_1534	0	0.006	0.66	129	139.8	1.645	9	8.92	65	0.24	9.0	10.16	12.0	1.8	7.4	17.2
105J_1989_1535	0	0.015	0.74	38	35.0	0.119	6	8.96	110	0.07	8.0	2.29	3.4	2.0	8.9	2.4
105J_1989_1536	0	0.014	0.30	36	78.2	0.119	9	8.20	62	1.07	2.2	2.47	2.7	2.3	7.1	5.5
105J_1989_1537	0	0.008	0.41	70	71.2	0.441	8	6.51	44	0.74	2.0	3.09	3.5	2.2	5.8	8.6
105J_1989_1538	0	0.007	0.30	49	44.7	0.212	8	8.90	100	0.09	3.0	3.22	5.5	2.4	7.6	3.1
105J_1989_1539	0	0.006	0.27	50	45.0	0.228	9	9.45	86	0.07	3.5	3.56	5.9	2.5	8.5	3.4
105J_1989_1540	0	0.007	0.34	60	52.8	0.221	13	14.58	91	0.09	6.0	4.47	7.5	3.8	10.0	5.3
105J_1989_1542	1	0.008	0.51	47	46.7	0.126	13	13.09	110	0.03	3.3	3.41	5.0	3.3	10.0	2.0
105J_1989_1544	2	0.008	0.59	47	44.3	0.122	13	12.49	100	0.03	2.9	3.39	4.9	3.1	11.0	2.2
105J_1989_1545	0	0.003	0.17	120	119.9	0.149	14	13.29	93	0.12	8.0	9.02	11.3	3.4	11.0	8.7
105J_1989_1546	0	0.007	0.32	104	103.2	0.127	12	12.72	97	0.11	7.5	6.92	10.0	3.0	10.0	5.2
105J_1989_1547	0	0.010	0.43	128	124.3	0.186	14	14.18	96	0.11	7.0	5.78	8.7	3.2	10.0	6.4
105J_1989_1548	0	0.007	0.32	326	322.2	0.295	13	12.58	80	0.15	9.0	9.66	11.6	2.5	8.9	8.3
105J_1989_1549	0	0.011	0.28	43	47.0	0.360	8	9.67	62	0.30	3.5	3.67	4.3	2.7	6.2	4.7
105J_1989_1550	0	0.029	0.66	78	72.6	0.108	10	12.24	98	0.20	1.5	1.67	2.8	2.8	9.1	9.6
105J_1989_1551	0	0.012	0.62	93	90.5	0.137	15	15.50	94	0.06	6.0	6.06	8.9	2.9	10.0	6.1

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1515	0	6.4	4	76.3	0.8	1.0	0.11	2.2	10.0	0.022	0.46	13.3	19.0	17.4	145	153
105J_1989_1516	0	4.8	3	32.6	0.7	0.6	0.05	2.8	8.9	0.009	0.24	1.4	4.2	4.1	45	40
105J_1989_1517	0	3.3	3	37.8	<0.5	<0.5	0.03	0.7	6.2	0.006	0.14	2.7	4.0	4.3	33	36
105J_1989_1518	0	4.8	2	22.7	0.8	0.6	0.04	1.6	7.8	0.005	0.27	1.1	3.8	3.3	41	37
105J_1989_1519	0	4.7	2	22.9	0.8	0.6	0.03	1.6	7.7	0.004	0.28	1.1	3.8	3.7	41	38
105J_1989_1520	0	6.7	5	113.7	1.0	1.0	0.15	2.5	8.9	0.014	0.58	10.5	16.0	14.2	183	246
105J_1989_1522	1	6.0	6	53.6	<0.5	0.8	0.23	3.1	11.0	0.025	0.46	11.8	13.0	13.8	83	82
105J_1989_1523	2	5.7	6	53.9	0.5	0.6	0.24	2.3	13.0	0.021	0.44	10.9	12.0	13.1	74	74
105J_1989_1524	0	6.3	6	66.0	0.7	1.0	0.11	3.4	9.0	0.056	0.54	11.5	16.0	14.9	150	154
105J_1989_1525	0	2.2	6	132.4	<0.5	<0.5	0.04	0.3	2.9	0.005	0.39	4.3	5.2	5.2	87	100
105J_1989_1526	0	6.4	6	51.1	0.7	1.0	0.14	1.4	8.2	0.031	0.55	12.3	19.0	16.6	134	136
105J_1989_1527	0	5.9	6	46.4	1.3	0.9	0.05	5.9	15.0	0.123	0.27	16.0	23.2	20.5	68	72
105J_1989_1528	0	1.7	4	95.2	<0.5	<0.5	0.08	1.6	2.7	0.008	0.46	11.2	10.0	10.5	195	227
105J_1989_1530	0	4.8	4	36.5	0.7	0.5	0.06	1.7	8.9	0.015	0.31	4.4	7.9	7.1	88	92
105J_1989_1531	0	5.7	3	34.1	0.9	0.6	0.04	3.4	11.0	0.019	0.21	4.6	9.2	7.9	39	50
105J_1989_1532	0	5.3	2	37.9	0.8	0.6	0.03	3.2	10.0	0.021	0.19	3.7	7.6	6.4	52	57
105J_1989_1533	0	5.0	4	50.6	0.8	0.5	0.04	2.4	7.1	0.007	0.23	4.7	8.5	7.5	50	62
105J_1989_1534	0	4.8	6	364.9	<0.5	0.8	0.09	2.0	5.0	0.016	2.69	11.4	15.0	14.5	571	567
105J_1989_1535	0	4.5	4	43.5	0.8	0.6	0.05	2.0	8.1	0.014	0.25	3.9	7.4	6.0	51	58
105J_1989_1536	0	1.8	6	68.6	0.6	<0.5	0.02	1.5	4.6	0.008	0.22	14.8	17.0	19.2	52	58
105J_1989_1537	0	2.1	6	115.1	<0.5	<0.5	0.05	2.0	4.4	0.007	0.23	16.2	17.0	17.7	73	79
105J_1989_1538	0	5.2	3	78.3	0.9	0.8	0.05	2.4	7.6	0.007	0.26	5.2	11.0	8.7	99	121
105J_1989_1539	0	5.2	4	85.3	0.7	0.8	0.07	2.7	7.5	0.007	0.23	4.9	10.0	8.6	106	113
105J_1989_1540	0	5.5	3	74.0	1.0	0.8	0.10	3.3	8.4	0.006	0.30	4.9	10.0	8.8	116	123
105J_1989_1542	1	5.0	2	52.3	0.8	0.7	0.05	2.7	9.3	0.017	0.27	5.3	10.0	8.2	78	83
105J_1989_1544	2	5.2	3	50.0	1.1	0.6	0.09	2.9	10.0	0.017	0.27	4.6	8.7	7.3	81	82
105J_1989_1545	0	5.6	2	86.5	0.9	1.0	0.12	1.4	7.4	0.004	0.51	11.0	17.0	16.5	164	188
105J_1989_1546	0	5.1	4	82.8	0.7	0.7	0.10	1.8	7.4	0.008	0.38	7.1	12.0	11.3	154	198
105J_1989_1547	0	5.4	3	70.1	0.6	0.8	0.07	2.1	8.1	0.010	0.45	9.7	14.0	14.2	143	174
105J_1989_1548	0	4.8	3	129.5	0.6	0.7	0.13	0.8	6.2	0.007	0.70	12.9	18.0	18.6	277	290
105J_1989_1549	0	3.6	2	51.2	0.5	<0.5	0.04	3.4	6.1	0.009	0.23	6.0	7.7	7.7	73	68
105J_1989_1550	0	5.0	3	58.8	0.8	0.6	0.03	1.7	8.9	0.006	0.36	4.2	7.6	7.5	56	57
105J_1989_1551	0	5.3	4	54.3	1.0	0.7	0.07	3.4	9.3	0.022	0.31	7.1	12.0	10.5	106	111

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1515	0	1.4	3	26.56	<2	1530	1584.6
105J_1989_1516	0	0.3	1	26.24	2	133	133.2
105J_1989_1517	0	0.3	1	16.86	<2	170	172.4
105J_1989_1518	0	0.2	1	40.94	<2	152	162.5
105J_1989_1519	0	0.3	1	41.66	<2	143	169.5
105J_1989_1520	0	0.2	2	43.31	4	890	885.1
105J_1989_1522	1	2.8	6	29.54	3	2010	2246.9
105J_1989_1523	2	2.2	4	15.09	3	2170	2410.7
105J_1989_1524	0	1.2	3	36.55	4	1220	1166.3
105J_1989_1525	0	<0.1	<1	12.33	<2	1810	1777.8
105J_1989_1526	0	1.2	2	20.01	3	880	787.7
105J_1989_1527	0	2.5	5	29.08	2	1032	1055.2
105J_1989_1528	0	0.4	1	12.24	<2	133	1247.5
105J_1989_1530	0	0.4	<1	15.41	2	373	384.5
105J_1989_1531	0	1.0	3	37.11	3	312	335.4
105J_1989_1532	0	1.1	3	35.18	2	412	436.1
105J_1989_1533	0	0.5	2	28.88	2	235	236.9
105J_1989_1534	0	0.3	1	41.32	4	184	1952.7
105J_1989_1535	0	0.9	2	30.80	<2	209	219.8
105J_1989_1536	0	0.1	<1	13.42	<2	217	403.6
105J_1989_1537	0	0.1	<1	24.01	<2	921	855.2
105J_1989_1538	0	0.1	<1	28.82	<2	258	277.3
105J_1989_1539	0	0.1	2	30.83	2	272	278.9
105J_1989_1540	0	0.1	2	29.58	3	360	377.8
105J_1989_1542	1	0.2	<1	19.15	3	256	260.2
105J_1989_1544	2	0.3	2	38.41	3	242	245.0
105J_1989_1545	0	<0.1	1	40.44	3	950	860.6
105J_1989_1546	0	0.1	2	17.23	3	1055	1059.0
105J_1989_1547	0	0.3	<1	27.88	3	990	962.5
105J_1989_1548	0	0.1	<1	20.88	2	2940	3063.1
105J_1989_1549	0	0.5	1	19.67	<2	412	408.0
105J_1989_1550	0	1.0	1	10.45	<2	248	260.2
105J_1989_1551	0	0.3	2	36.32	2	823	761.6

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1552	0	0.4	455	1.88	65	84.3	107.0	6			2	229.3	1300	1.19	5.6	0.73
105J_1989_1553	0	0.5	982	3.22	140	204.9	212.0	<2			4	512.1	1100	2.44	17.0	0.70
105J_1989_1554	0	1.4	1109	1.29	32	39.7	52.2	10			3	589.0	5260	0.32	2.8	0.60
105J_1989_1555	0	0.6	902	2.40	115	165.0	179.0	12			3	444.5	3800	3.41	10.0	0.34
105J_1989_1556	0	1.1	1048	2.75	36	48.5	50.0	6			3	534.7	2700	1.49	9.4	0.89
105J_1989_1557	0	0.4	457	2.78	90	123.6	139.0	<2			1	427.1	2700	0.87	6.1	0.43
105J_1989_1558	0	<0.2	298	1.42	17	29.8	37.0	<2			2	1872.7	16800	0.26	5.6	0.18
105J_1989_1559	0	<0.2	235	2.91	28	34.5	44.0	8			1	324.0	2400	0.48	6.9	0.73
105J_1989_1560	0	<0.2	339	2.45	34	41.7	55.4	<2			1	349.5	3100	0.50	8.4	0.30
105J_1989_1562	1	<0.2	389	4.76	36	45.4	57.5	<2			1	168.5	1000	0.21	3.4	0.76
105J_1989_1563	2	<0.2	359	4.68	32	47.9	57.3	5			1	167.1	1100	0.20	3.8	0.77
105J_1989_1564	0	<0.2	306	1.96	60	76.3	87.9	10			<1	397.2	3900	1.48	7.3	0.08
105J_1989_1565	0	0.3	351	1.95	63	80.5	97.1	12			<1	399.9	3900	1.59	9.1	0.08
105J_1989_1566	0	0.3	932	3.00	110	136.4	144.0	4			5	398.1	1000	5.24	7.9	0.76
105J_1989_1567	0	<0.2	336	1.00	36	40.4	47.0	<2			2	258.5	1900	0.36	24.0	0.31
105J_1989_1568	0	<0.2	75	1.79	26	33.3	40.0	<2			1	154.7	790	3.98	1.6	0.79
105J_1989_1569	0	<0.2	204	2.97	50	60.0	67.8	9			1	423.1	1300	4.36	8.9	0.88
105J_1989_1570	0	<0.2	33	1.08	24	27.0	32.0	<2			2	68.6	750	0.44	1.1	0.33
105J_1989_1572	0	<0.2	166	1.80	55	64.6	79.2	<2			1	170.1	1100	1.57	4.9	0.48
105J_1989_1573	0	0.3	644	2.12	120	147.5	159.0	13			4	3472.4	7880	3.82	8.3	0.65
105J_1989_1574	0	0.7	1233	2.20	140	187.0	214.0	<2			1	703.9	35400	1.12	13.0	0.08
105J_1989_1575	0	<0.2	559	3.44	65	76.7	85.2	6			2	1699.8	11600	0.61	5.8	0.28
105J_1989_1576	0	<0.2	297	1.45	16	18.2	24.0	4			1	851.9	2600	1.37	2.1	0.56
105J_1989_1577	0	0.3	557	0.92	36	43.9	52.0	6			2	1392.6	7640	0.49	1.7	0.48
105J_1989_1578	0	0.3	430	0.83	45	58.6	71.5	4			3	663.0	2900	0.91	1.6	0.39
105J_1989_1579	0	<0.2	406	0.86	10	14.8	17.0	4			3	711.6	2800	0.29	3.8	0.50
105J_1989_1580	0	<0.2	414	1.15	3	5.8	7.0	11			3	454.0	2300	0.21	1.7	0.35
105J_1989_1582	1	0.3	754	1.08	10	13.9	16.0	8			6	1087.2	3500	0.23	6.3	0.49
105J_1989_1583	2	0.7	761	1.09	10	13.2	16.0	7			7	1212.0	3800	0.24	5.3	0.48
105J_1989_1584	0	0.5	402	0.92	16	19.5	27.0	5			3	1093.5	5740	0.21	3.7	0.41
105J_1989_1585	0	0.2	482	0.85	14	15.8	21.0	5			3	1021.8	4100	0.21	2.9	0.35
105J_1989_1586	0	<0.2	272	0.94	6	7.7	10.0	6			4	602.1	2700	0.14	3.3	0.30
105J_1989_1587	0	<0.2	382	0.88	7	10.1	14.0	6			6	1441.2	4200	0.21	2.7	0.40

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1552	0	1.5	1.41	130	6	8.6	14	29.6	49	8.3	27	27.37	<1	308	2.82	2.68	4.5
105J_1989_1553	0	20.5	22.42	81	25	31.9	35	64.3	94	16.0	43	42.82	2	485	4.95	5.24	5.8
105J_1989_1554	0	12.4	11.69	63	11	11.6	16	34.1	92	7.0	92	88.40	<1	592	2.48	2.18	3.0
105J_1989_1555	0	3.6	3.20	84	15	19.5	22	38.9	67	15.0	89	92.31	<1	615	4.39	4.87	6.2
105J_1989_1556	0	8.5	8.03	68	12	14.1	14	37.4	46	8.0	105	99.95	<1	726	2.32	2.13	2.5
105J_1989_1557	0	3.2	3.10	75	28	40.3	52	25.6	76	12.0	115	113.86	1	460	3.90	4.35	5.8
105J_1989_1558	0	3.9	3.60	64	22	25.2	29	22.4	76	7.9	39	35.36	<1	270	5.92	5.55	6.8
105J_1989_1559	0	1.9	1.85	95	35	41.3	57	28.8	76	10.0	105	97.96	1	372	3.72	3.63	4.7
105J_1989_1560	0	2.0	1.92	89	27	33.6	43	19.1	58	10.0	84	80.53	<1	271	3.73	3.65	4.7
105J_1989_1562	1	0.2	0.48	79	21	26.2	33	32.0	68	8.8	110	112.63	<1	316	4.89	5.53	6.5
105J_1989_1563	2	0.2	0.52	97	22	27.6	37	32.3	70	8.6	118	118.63	1	338	4.30	5.26	7.3
105J_1989_1564	0	<0.2	0.28	69	6	4.0	8	31.1	78	8.5	56	55.07	<1	279	3.73	4.03	5.3
105J_1989_1565	0	<0.2	0.23	74	5	4.2	<5	31.0	76	9.1	60	56.02	<1	319	3.93	4.44	5.6
105J_1989_1566	0	12.8	12.34	150	39	52.4	57	31.5	54	16.0	28	52.09	<1	558	4.15	4.74	4.8
105J_1989_1567	0	0.8	0.67	42	11	10.6	16	10.6	32	4.4	32	30.02	<1	256	1.67	1.38	2.7
105J_1989_1568	0	<0.2	0.13	130	7	7.8	11	21.7	33	13.0	19	18.88	<1	354	2.22	1.82	2.9
105J_1989_1569	0	1.4	1.54	89	21	23.1	43	22.3	52	15.0	35	33.32	2	332	2.73	2.58	3.9
105J_1989_1570	0	<0.2	0.15	110	4	4.1	<5	10.6	26	10.0	10	9.56	<1	252	1.48	1.28	1.7
105J_1989_1572	0	3.1	2.92	120	20	21.7	28	18.0	40	15.0	51	51.00	<1	362	3.18	3.01	3.6
105J_1989_1573	0	5.3	4.96	69	31	32.3	40	36.4	110	13.0	84	76.66	1	558	3.17	3.26	4.3
105J_1989_1574	0	0.8	0.75	38	8	8.3	10	29.5	84	11.0	110	120.41	<1	321	7.27	10.51	13.0
105J_1989_1575	0	9.2	9.53	160	80	109.9	130	21.7	77	8.9	179	189.77	2	458	3.92	4.82	6.2
105J_1989_1576	0	4.9	4.20	110	22	19.5	28	20.1	50	8.0	30	26.87	<1	399	2.68	2.10	3.4
105J_1989_1577	0	6.3	5.68	70	7	7.7	10	20.6	86	5.6	68	65.56	<1	437	1.90	1.68	2.5
105J_1989_1578	0	1.4	1.23	64	9	7.1	10	13.2	52	6.6	32	30.46	<1	393	2.18	1.81	2.7
105J_1989_1579	0	1.8	1.92	79	16	19.3	22	13.8	72	7.5	41	43.08	<1	398	3.05	2.86	3.7
105J_1989_1580	0	1.1	1.15	78	8	9.1	11	18.0	63	4.9	76	73.78	<1	531	2.89	2.53	3.3
105J_1989_1582	1	4.2	4.00	58	10	9.9	11	16.5	70	7.5	47	45.39	<1	366	2.58	2.19	2.7
105J_1989_1583	2	3.9	3.78	45	9	10.3	10	16.6	84	7.9	47	46.85	<1	316	2.81	2.51	2.8
105J_1989_1584	0	4.1	3.92	68	15	16.0	20	16.5	76	6.8	49	50.23	<1	532	2.73	2.65	3.4
105J_1989_1585	0	4.0	3.39	59	14	13.4	18	13.6	75	5.9	37	35.93	<1	418	2.67	2.36	3.3
105J_1989_1586	0	1.4	1.42	60	12	12.0	15	14.9	68	4.3	40	40.70	<1	489	2.46	2.37	3.2
105J_1989_1587	0	1.0	1.05	71	14	12.4	17	14.4	77	8.0	47	43.95	1	422	3.57	3.34	4.6

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1552	0	6.2	11	25	17	0.29	35.0	64	3.6	<0.2	0.66	401	445	2	2.24	1
105J_1989_1553	0	11.8	3	63	58	0.92	36.7	41	11.7	<0.2	1.51	1692	2829	11	11.88	9
105J_1989_1554	0	3.9	3	211	198	0.16	12.3	35	11.4	<0.2	0.58	290	295	9	8.29	9
105J_1989_1555	0	8.6	4	42	39	0.46	24.5	40	9.4	<0.2	0.85	409	544	10	9.37	9
105J_1989_1556	0	8.3	2	74	67	0.20	22.0	31	22.3	<0.2	0.94	239	250	5	3.92	4
105J_1989_1557	0	5.4	4	39	29	0.13	17.7	39	11.2	<0.2	0.49	202	300	6	6.08	5
105J_1989_1558	0	3.2	3	63	60	0.07	16.1	30	13.5	<0.2	0.41	545	622	4	3.64	3
105J_1989_1559	0	5.6	6	25	27	0.23	21.5	46	7.8	0.4	0.77	1206	1503	5	3.77	3
105J_1989_1560	0	4.8	6	23	22	0.12	26.0	40	7.7	<0.2	0.49	673	841	4	2.97	2
105J_1989_1562	1	7.0	4	14	15	0.35	12.3	34	9.1	<0.2	0.85	863	1271	7	10.52	11
105J_1989_1563	2	6.8	5	18	13	0.34	13.2	39	9.5	0.3	0.89	917	1319	10	9.69	9
105J_1989_1564	0	5.3	4	32	24	0.14	19.8	35	8.0	0.2	0.52	140	171	4	3.00	2
105J_1989_1565	0	5.1	4	32	29	0.14	19.6	36	7.9	<0.2	0.54	123	177	4	2.94	3
105J_1989_1566	0	10.5	3	42	37	0.70	47.1	60	7.0	<0.2	1.31	2520	3066	6	4.76	4
105J_1989_1567	0	2.8	3	35	29	0.05	9.8	23	20.2	<0.2	0.18	201	152	<2	2.41	3
105J_1989_1568	0	5.7	7	12	5	0.29	39.2	59	3.2	<0.2	0.63	189	214	<2	0.26	<1
105J_1989_1569	0	7.7	4	35	18	0.16	36.8	49	10.4	<0.2	0.60	156	207	2	1.38	<1
105J_1989_1570	0	4.1	8	14	8	0.18	20.7	56	3.1	<0.2	0.33	154	177	<2	0.45	<1
105J_1989_1572	0	6.7	5	25	21	0.31	27.3	52	5.8	<0.2	0.55	491	545	4	2.91	2
105J_1989_1573	0	5.5	5	115	110	0.22	26.5	37	8.7	<0.2	0.83	284	358	8	8.00	7
105J_1989_1574	0	3.9	3	72	66	0.09	15.2	37	9.5	<0.2	0.43	162	298	11	11.52	9
105J_1989_1575	0	3.4	5	72	62	0.10	57.1	80	10.4	0.6	0.44	1476	2224	7	6.56	4
105J_1989_1576	0	4.2	7	40	43	0.23	28.4	50	3.2	<0.2	0.46	545	536	5	3.80	4
105J_1989_1577	0	2.8	4	187	158	0.10	17.3	37	4.5	<0.2	0.29	218	235	7	6.95	7
105J_1989_1578	0	2.6	4	191	175	0.09	11.4	31	8.8	<0.2	0.24	313	299	2	2.27	3
105J_1989_1579	0	2.5	4	248	241	0.09	7.5	35	10.9	0.2	0.25	1098	1149	2	2.77	3
105J_1989_1580	0	3.2	3	313	304	0.13	12.1	34	11.8	<0.2	0.46	254	255	<2	0.97	<1
105J_1989_1582	1	2.9	3	500	527	0.14	9.4	24	16.9	<0.2	0.22	373	348	5	5.04	5
105J_1989_1583	2	2.9	3	508	559	0.13	9.5	24	15.3	<0.2	0.22	517	521	5	4.71	3
105J_1989_1584	0	2.4	4	216	208	0.11	13.5	34	6.5	<0.2	0.30	1566	1863	5	5.15	6
105J_1989_1585	0	2.4	4	209	183	0.09	10.4	31	7.3	<0.2	0.23	1872	1987	6	5.57	6
105J_1989_1586	0	2.8	4	238	235	0.10	9.7	32	7.6	<0.2	0.35	1512	1566	2	2.37	2
105J_1989_1587	0	2.3	4	266	262	0.11	6.0	34	12.0	<0.2	0.26	1584	1694	2	2.69	2

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1552	0	0.116	1.90	12	11.9	0.090	66	82.49	120	0.05	8.0	8.14	12.3	3.1	16.0	1.8
105J_1989_1553	0	0.114	1.20	93	98.9	0.089	132	147.36	160	0.08	7.0	5.01	8.6	7.7	14.0	4.8
105J_1989_1554	0	0.015	0.60	206	193.0	0.177	23	21.16	90	0.46	16.0	17.96	24.8	2.8	10.0	9.8
105J_1989_1555	0	0.033	1.00	79	82.7	0.128	130	180.04	150	0.10	20.0	14.57	28.6	3.9	11.0	3.6
105J_1989_1556	0	0.039	0.45	158	159.4	0.146	95	95.90	67	0.49	3.7	4.29	5.4	4.3	8.8	6.6
105J_1989_1557	0	0.016	0.55	112	115.5	0.135	15	22.15	93	0.12	6.0	4.92	7.1	2.6	13.0	2.8
105J_1989_1558	0	0.008	0.45	80	77.1	0.107	15	14.23	96	0.13	4.0	3.76	5.9	1.9	11.0	6.3
105J_1989_1559	0	0.094	0.81	137	135.2	0.117	17	17.70	110	0.09	2.0	1.79	3.0	3.5	12.0	1.6
105J_1989_1560	0	0.017	0.75	68	65.5	0.078	25	27.31	110	0.06	2.5	1.95	3.1	2.4	11.0	2.4
105J_1989_1562	1	0.102	0.68	47	52.1	0.153	17	20.77	81	0.54	3.3	3.05	4.7	3.7	11.0	1.5
105J_1989_1563	2	0.106	0.80	50	53.3	0.147	17	19.80	95	0.48	3.6	2.37	4.7	3.8	12.0	1.3
105J_1989_1564	0	0.008	0.54	27	28.9	0.074	16	19.24	74	0.05	5.0	3.93	5.8	2.7	11.0	3.1
105J_1989_1565	0	0.008	0.52	27	28.3	0.078	19	19.89	75	0.05	5.5	3.93	6.5	2.7	12.0	3.4
105J_1989_1566	0	0.120	1.20	100	97.8	0.118	173	198.30	150	0.07	3.8	2.25	3.7	6.5	11.0	1.6
105J_1989_1567	0	0.027	1.60	31	27.5	0.120	8	8.19	56	0.11	1.8	1.71	2.6	0.6	6.6	4.9
105J_1989_1568	0	0.078	1.70	6	6.0	0.061	10	12.22	160	<0.01	0.4	0.22	0.7	3.1	11.0	0.2
105J_1989_1569	0	0.067	1.10	57	58.4	0.080	20	21.68	110	0.05	1.2	0.41	1.1	3.4	11.0	1.4
105J_1989_1570	0	0.026	1.80	7	6.4	0.048	6	6.19	150	<0.01	0.7	0.53	1.3	2.8	6.3	0.2
105J_1989_1572	0	0.041	1.50	61	59.3	0.092	15	17.83	150	0.03	3.3	2.00	4.0	4.7	9.4	2.4
105J_1989_1573	0	0.033	0.76	142	145.2	0.173	31	36.30	130	0.11	4.3	2.71	5.1	4.0	14.0	4.2
105J_1989_1574	0	0.006	0.32	27	31.7	0.156	46	66.62	86	0.49	60.0	45.53	85.5	3.6	14.0	9.3
105J_1989_1575	0	0.015	0.61	180	194.2	0.129	27	34.00	96	0.25	20.0	13.89	26.7	3.6	13.0	3.9
105J_1989_1576	0	0.075	2.08	46	42.4	0.078	30	31.40	140	0.04	2.1	1.70	3.0	2.3	12.0	2.2
105J_1989_1577	0	0.029	0.90	59	56.8	0.160	11	12.74	100	0.05	5.0	5.43	9.0	2.2	8.9	5.6
105J_1989_1578	0	0.010	0.74	24	21.7	0.095	20	22.94	100	0.03	6.5	4.53	8.9	2.1	8.7	1.5
105J_1989_1579	0	0.010	0.72	33	34.2	0.098	16	17.71	95	0.05	1.9	1.65	3.0	3.2	11.0	1.9
105J_1989_1580	0	0.011	0.61	39	36.5	0.128	13	13.26	86	0.08	1.0	0.86	1.9	3.9	11.0	2.4
105J_1989_1582	1	0.014	0.53	74	69.8	0.132	11	11.14	90	0.31	2.5	2.22	3.6	2.9	8.2	6.3
105J_1989_1583	2	0.013	0.51	71	69.7	0.140	10	11.44	86	0.22	2.6	2.09	3.7	3.0	7.5	6.1
105J_1989_1584	0	0.010	0.53	69	69.9	0.151	9	10.41	110	0.05	2.8	2.28	4.5	2.5	8.6	2.9
105J_1989_1585	0	0.010	0.68	69	61.7	0.126	11	9.07	98	0.04	2.2	1.57	3.4	2.0	8.5	3.5
105J_1989_1586	0	0.008	0.59	43	42.7	0.122	8	8.86	87	0.05	1.0	0.72	1.6	2.5	9.2	1.6
105J_1989_1587	0	0.011	0.61	41	39.1	0.105	14	13.40	95	0.11	1.3	0.70	2.1	3.8	12.0	2.5

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1552	0	7.8	4	53.8	1.3	1.0	0.06	13.9	21.5	0.151	0.28	8.3	12.0	10.3	56	48
105J_1989_1553	0	5.3	4	47.9	1.3	0.7	0.04	16.0	20.0	0.421	1.15	26.4	26.9	28.9	109	110
105J_1989_1554	0	5.3	4	72.7	0.9	0.8	0.10	3.7	7.9	0.038	0.42	8.8	13.0	12.5	129	148
105J_1989_1555	0	5.7	9	41.2	1.5	0.9	0.09	11.3	14.0	0.180	0.53	12.1	14.0	14.0	99	101
105J_1989_1556	0	4.7	5	79.4	1.2	0.6	0.03	4.6	12.0	0.130	0.37	11.1	13.0	13.9	94	83
105J_1989_1557	0	6.0	8	37.2	1.0	1.0	0.07	4.8	10.0	0.037	0.34	4.8	7.6	7.3	66	63
105J_1989_1558	0	4.7	2	39.4	0.7	0.6	0.05	4.0	8.4	0.005	0.18	2.1	4.6	4.4	40	34
105J_1989_1559	0	8.0	4	57.6	1.1	1.1	0.03	5.7	11.0	0.047	0.34	2.6	5.9	5.4	45	39
105J_1989_1560	0	6.4	3	47.0	1.0	0.8	0.04	8.4	14.0	0.041	0.22	4.9	8.7	7.6	37	30
105J_1989_1562	1	6.8	5	90.5	0.8	1.0	0.03	6.3	9.4	0.056	0.49	2.6	5.2	4.8	47	41
105J_1989_1563	2	7.4	7	89.6	0.9	0.9	0.04	6.2	10.0	0.056	0.49	2.7	5.5	4.8	52	41
105J_1989_1564	0	5.3	3	11.0	0.9	0.7	0.06	3.3	8.9	0.041	0.22	1.8	4.4	4.1	51	42
105J_1989_1565	0	5.3	3	10.9	0.7	0.6	0.06	3.6	8.5	0.041	0.22	1.8	4.6	4.2	53	43
105J_1989_1566	0	7.9	6	53.0	1.8	0.8	0.04	18.1	20.8	0.216	1.25	23.1	24.2	24.5	69	65
105J_1989_1567	0	3.7	5	33.6	<0.5	0.6	<0.02	0.3	5.8	0.018	0.08	1.3	3.3	3.3	18	17
105J_1989_1568	0	6.6	5	89.3	1.3	0.7	0.03	15.9	23.5	0.135	0.33	5.5	8.3	7.5	34	27
105J_1989_1569	0	5.9	5	147.1	1.1	0.7	0.03	7.4	16.0	0.064	0.31	27.2	30.7	27.7	45	39
105J_1989_1570	0	7.2	3	22.1	1.0	0.8	<0.02	7.0	20.8	0.072	0.22	2.7	6.5	6.2	23	20
105J_1989_1572	0	8.9	4	32.4	1.2	1.1	0.02	8.6	20.8	0.113	0.37	6.4	11.0	9.2	34	28
105J_1989_1573	0	6.3	4	58.9	1.0	1.0	0.10	6.6	12.0	0.074	0.41	5.9	8.8	8.3	107	113
105J_1989_1574	0	5.9	7	29.6	0.6	0.8	0.17	8.0	9.1	0.012	0.30	4.5	5.6	6.0	91	100
105J_1989_1575	0	13.3	5	33.7	0.8	1.9	0.08	6.0	8.3	0.010	0.30	4.9	6.7	7.0	52	49
105J_1989_1576	0	6.3	5	48.9	1.1	0.8	0.02	12.5	17.0	0.109	0.27	4.6	8.0	6.7	54	47
105J_1989_1577	0	5.2	4	64.3	0.7	0.8	0.08	4.6	10.0	0.033	0.23	5.0	8.6	8.1	111	113
105J_1989_1578	0	4.4	2	44.4	0.8	0.5	0.03	3.0	9.0	0.010	0.20	2.2	5.2	4.8	51	46
105J_1989_1579	0	4.9	2	56.5	0.9	0.6	0.05	2.2	10.0	0.006	0.22	1.7	4.6	4.2	42	41
105J_1989_1580	0	5.0	3	54.2	1.0	0.6	0.04	3.9	9.2	0.007	0.20	2.0	5.5	5.5	50	49
105J_1989_1582	1	3.9	2	50.7	0.8	<0.5	0.04	1.5	7.5	0.010	0.61	2.9	5.3	5.8	64	65
105J_1989_1583	2	4.0	4	52.9	0.6	0.6	0.04	1.7	7.8	0.010	0.62	3.2	6.0	5.9	64	65
105J_1989_1584	0	5.7	4	61.6	0.9	0.7	0.05	2.9	9.0	0.009	0.25	4.3	8.8	7.2	66	64
105J_1989_1585	0	4.7	1	48.7	0.7	0.7	0.06	2.3	8.3	0.013	0.28	2.8	6.3	5.5	80	67
105J_1989_1586	0	4.9	4	46.5	0.9	0.6	0.03	2.2	7.9	0.006	0.18	1.8	5.2	4.8	52	45
105J_1989_1587	0	5.5	4	54.0	1.2	0.8	0.05	3.3	9.2	0.002	0.17	1.6	4.5	4.4	48	41

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1552	0	8.0	9	45.86	4	124	122.6
105J_1989_1553	0	3.0	4	15.33	3	1013	947.5
105J_1989_1554	0	0.4	<1	32.35	3	1510	1380.4
105J_1989_1555	0	2.5	5	16.01	4	577	556.9
105J_1989_1556	0	0.8	1	19.23	<2	803	707.2
105J_1989_1557	0	0.5	2	33.03	3	517	530.7
105J_1989_1558	0	0.1	2	23.79	2	339	337.0
105J_1989_1559	0	0.3	1	30.81	3	424	413.2
105J_1989_1560	0	0.6	2	40.63	2	359	380.8
105J_1989_1562	1	0.1	<1	18.01	3	158	161.6
105J_1989_1563	2	<0.1	1	31.07	4	182	173.6
105J_1989_1564	0	0.2	1	32.68	2	104	97.4
105J_1989_1565	0	0.1	<1	33.87	3	106	94.4
105J_1989_1566	0	3.2	5	11.53	2	287	271.8
105J_1989_1567	0	0.3	<1	23.97	<2	58	49.7
105J_1989_1568	0	2.6	4	39.08	3	37	35.6
105J_1989_1569	0	0.9	2	33.56	<2	255	237.9
105J_1989_1570	0	3.7	5	39.05	<2	42	38.8
105J_1989_1572	0	7.1	11	25.05	3	334	335.1
105J_1989_1573	0	1.0	3	28.93	3	748	709.3
105J_1989_1574	0	0.2	<1	30.73	4	247	248.4
105J_1989_1575	0	0.2	<1	37.07	5	1380	1477.2
105J_1989_1576	0	2.8	4	37.63	3	342	327.6
105J_1989_1577	0	1.2	2	34.96	3	509	495.9
105J_1989_1578	0	4.3	4	32.80	2	133	123.0
105J_1989_1579	0	0.4	1	29.27	<2	166	170.7
105J_1989_1580	0	<0.1	<1	27.52	2	153	145.7
105J_1989_1582	1	0.3	1	22.43	<2	408	446.5
105J_1989_1583	2	0.3	2	16.33	<2	413	426.4
105J_1989_1584	0	0.4	<1	40.69	2	393	425.1
105J_1989_1585	0	0.3	1	39.61	2	412	430.8
105J_1989_1586	0	<0.1	<1	30.91	2	197	179.1
105J_1989_1587	0	<0.1	<1	24.67	3	163	150.4

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1588	0	0.2	553	1.48	24	35.5	39.0	7			4	1370.6	4600	0.42	6.6	0.53
105J_1989_1589	0	<0.2	354	0.93	14	18.9	25.0	5			3	745.7	3400	0.23	1.9	0.37
105J_1989_1590	0	<0.2	509	1.30	16	20.8	25.0	4			4	702.6	2700	0.34	7.3	0.59
105J_1989_1591	0	0.4	473	1.05	13	16.8	22.0	7			3	1391.1	5040	0.29	4.1	0.36
105J_1989_1593	0	<0.2	331	1.05	14	20.3	25.0	4			3	1047.1	3600	0.26	3.7	0.38
105J_1989_1594	0	<0.2	545	1.70	70	90.8	92.8	<2			3	1018.1	2800	0.67	5.0	0.57
105J_1989_1595	0	0.5	290	0.82	34	32.4	49.0	13			2	717.3	5630	0.30	0.7	0.32
105J_1989_1596	0	0.2	491	0.60	9	8.4	14.0	2			8	182.3	1100	0.17	32.0	1.14
105J_1989_1597	0	<0.2	97	0.09	2	3.1	3.6	<2			31	109.5	120	0.03	18.0	1.95
105J_1989_1598	0	<0.2	330	0.89	15	17.4	20.0	6			6	1688.8	7850	0.20	1.3	0.94
105J_1989_1599	0	0.4	455	0.87	20	25.1	32.0	7			5	1243.7	6110	0.23	0.9	0.66
105J_1989_1600	0	0.2	489	0.98	10	11.6	15.0	10			5	641.1	3400	0.20	2.6	0.51
105J_1989_1602	1	0.3	436	1.29	5	8.9	11.0	10			4	1040.6	2600	0.21	4.1	0.56
105J_1989_1603	2	0.6	435	1.23	6	11.2	14.0	11			4	1055.6	2800	0.20	5.4	0.60
105J_1989_1604	0	0.2	512	0.86	15	24.2	31.0	10			3	1050.2	5990	0.24	2.5	0.57
105J_1989_1605	0	0.2	518	0.91	11	18.9	24.0	12			4	1184.6	5750	0.26	1.9	0.59
105J_1989_1606	0	0.2	529	0.89	16	23.7	31.0	5			3	1981.5	6040	0.23	6.8	0.79
105J_1989_1607	0	<0.2	156	0.67	6	14.2	16.0	<2			5	753.8	1500	0.11	20.0	1.71
105J_1989_1608	0	<0.2	173	1.14	3	5.0	6.3	4			6	264.3	1600	0.13	5.5	1.22
105J_1989_1610	0	<0.2	228	0.95	4	6.2	8.9	6			7	819.1	3300	0.11	6.9	0.98
105J_1989_1611	0	<0.2	172	0.84	5	7.4	9.2	3			3	405.8	1700	0.13	15.0	0.75
105J_1989_1612	0	<0.2	120	0.83	4	6.3	8.1	3			2	242.8	1700	0.16	3.1	0.57
105J_1989_1613	0	0.2	217	0.54	2	2.6	4.2	5			3	186.6	320	0.07	36.0	1.23
105J_1989_1614	0	0.2	203	0.88	4	7.2	9.4	4			3	354.0	1200	0.10	26.0	1.53
105J_1989_1615	0	<0.2	167	1.01	2	2.9	5.9	3			2	354.0	1900	0.17	3.3	0.34
105J_1989_1616	0	0.3	347	0.94	6	8.8	12.0	10			3	334.5	1900	0.12	7.2	0.58
105J_1989_1617	0	0.3	431	0.99	10	16.9	22.0	5			4	670.8	2700	0.17	19.0	0.71
105J_1989_1618	0	<0.2	210	0.74	4	5.9	8.4	6			3	414.6	2300	0.15	2.2	0.56
105J_1989_1619	0	1.4	1265	0.64	30	53.9	65.3	9			5	964.1	5370	0.16	12.0	0.73
105J_1989_1620	0	1.4	1342	0.60	30	53.4	66.1	9			5	1025.9	5520	0.17	13.0	0.73
105J_1989_1622	1	1.2	1479	0.64	20	33.0	40.0	8			5	808.0	4800	0.17	12.0	0.80
105J_1989_1623	2	1.6	1388	0.66	20	34.3	43.0	10			5	790.9	5110	0.17	10.0	0.68
105J_1989_1624	0	0.8	493	1.23	44	14.4	19.0	10			4	369.9	2500	0.20	4.0	0.54

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1588	0	3.0	2.87	55	17	17.2	19	22.9	80	7.6	47	46.17	<1	433	4.74	4.80	5.8
105J_1989_1589	0	2.5	2.42	64	8	7.2	10	14.7	63	5.8	33	32.99	1	400	2.53	2.48	3.5
105J_1989_1590	0	4.3	4.37	71	6	7.9	10	18.0	71	6.8	23	23.46	<1	370	2.65	2.34	3.2
105J_1989_1591	0	2.0	2.08	88	7	7.5	10	16.6	68	5.6	29	29.68	<1	404	1.82	1.73	2.5
105J_1989_1593	0	1.5	1.58	74	6	6.3	11	16.0	67	6.0	24	24.97	<1	362	2.47	2.26	3.3
105J_1989_1594	0	3.4	3.47	62	11	14.0	14	23.4	47	6.4	36	38.24	<1	328	7.32	7.53	7.5
105J_1989_1595	0	2.1	1.99	100	15	13.6	18	12.3	43	6.3	35	31.67	<1	352	2.18	1.83	2.6
105J_1989_1596	0	21.6	18.97	30	7	5.8	7	11.1	35	3.9	52	43.69	<1	288	1.28	0.95	1.4
105J_1989_1597	0	1.3	1.34	<5	2	1.5	<5	3.1	<20	<0.5	22	21.81	<1	37	0.96	0.84	0.8
105J_1989_1598	0	3.1	2.84	99	6	6.9	6	19.3	110	5.0	57	53.96	<1	967	2.10	2.16	2.8
105J_1989_1599	0	3.5	3.08	70	8	8.2	10	19.4	81	5.3	66	60.64	<1	945	2.65	2.60	3.4
105J_1989_1600	0	2.5	2.47	53	10	10.3	15	18.5	88	5.4	76	73.86	1	650	2.45	2.34	3.1
105J_1989_1602	1	1.1	1.56	48	12	11.5	11	22.8	53	4.2	81	72.85	<1	544	4.41	3.95	4.3
105J_1989_1603	2	1.2	1.63	53	10	11.5	16	22.4	58	4.1	80	74.31	1	425	5.02	4.38	5.2
105J_1989_1604	0	3.5	4.08	69	8	9.8	14	17.0	85	4.8	63	65.69	1	840	2.76	2.76	3.7
105J_1989_1605	0	3.3	3.38	72	8	9.6	12	18.9	98	4.8	66	64.93	<1	802	2.16	2.26	3.0
105J_1989_1606	0	3.4	3.65	72	10	13.0	15	15.8	68	3.7	39	39.24	1	695	4.34	4.70	5.7
105J_1989_1607	0	1.5	2.18	29	8	11.3	13	8.0	<20	1.5	25	22.58	<1	247	8.71	8.14	9.2
105J_1989_1608	0	0.3	0.64	63	9	10.1	12	18.0	60	3.8	43	43.46	<1	580	2.32	2.13	3.0
105J_1989_1610	0	0.7	1.03	52	10	11.2	14	19.2	67	3.6	33	38.52	1	618	2.46	2.25	3.2
105J_1989_1611	0	0.9	1.05	50	7	6.7	9	13.2	48	2.7	29	28.08	1	471	2.41	2.06	2.5
105J_1989_1612	0	<0.2	0.66	79	7	7.7	9	11.3	43	3.3	24	22.73	<1	449	2.16	1.91	2.4
105J_1989_1613	0	2.5	2.46	15	2	2.1	<5	6.1	<20	0.6	122	111.72	<1	47	0.93	0.68	0.8
105J_1989_1614	0	2.1	2.41	38	4	5.2	10	8.5	22	2.2	35	33.58	<1	269	5.41	5.14	6.5
105J_1989_1615	0	0.6	0.96	98	10	10.1	16	14.2	74	4.7	32	31.80	1	365	2.40	2.21	3.6
105J_1989_1616	0	3.0	2.83	54	12	16.2	20	12.4	57	4.1	66	69.78	2	500	3.86	3.54	4.6
105J_1989_1617	0	4.5	4.43	66	12	13.4	16	15.0	62	3.7	45	46.46	1	558	3.31	3.30	4.3
105J_1989_1618	0	0.4	0.71	69	9	8.1	11	11.7	58	4.0	32	29.82	1	411	2.17	1.86	2.7
105J_1989_1619	0	8.4	9.98	60	11	13.3	16	17.8	100	6.0	103	103.93	<1	490	2.48	2.28	3.0
105J_1989_1620	0	10.9	10.82	38	13	13.5	19	17.6	110	6.1	104	107.69	1	502	2.40	2.30	3.0
105J_1989_1622	1	6.7	6.21	61	7	7.3	9	18.1	98	6.1	99	104.60	<1	476	1.80	1.56	2.1
105J_1989_1623	2	7.9	7.28	47	7	8.0	9	18.5	100	6.2	102	105.41	2	584	1.67	1.42	1.8
105J_1989_1624	0	2.5	2.74	71	9	11.5	13	23.0	67	4.3	61	59.77	1	578	3.00	2.82	3.3

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1588	0	4.3	2	236	239	0.18	16.6	32	11.9	<0.2	0.46	4455	4169	9	9.99	9
105J_1989_1589	0	2.7	4	187	170	0.11	13.1	34	6.2	<0.2	0.28	345	328	4	3.52	4
105J_1989_1590	0	3.5	5	187	196	0.14	14.5	32	12.9	<0.2	0.34	1008	1005	6	8.11	7
105J_1989_1591	0	3.1	7	191	193	0.13	16.2	44	6.3	0.3	0.28	721	767	4	4.29	5
105J_1989_1593	0	3.0	5	137	145	0.11	13.5	35	6.8	<0.2	0.29	437	453	5	5.24	6
105J_1989_1594	0	4.7	2	209	258	0.17	22.9	30	16.5	<0.2	0.45	1116	1287	21	24.48	20
105J_1989_1595	0	2.3	7	101	86	0.12	17.9	46	2.2	0.2	0.28	427	411	2	2.42	3
105J_1989_1596	0	1.7	1	194	190	0.13	4.8	15	56.1	<0.2	0.35	662	493	2	1.91	2
105J_1989_1597	0	0.2	<1	86	88	0.05	1.0	<2	88.1	<0.2	0.43	176	147	8	8.86	10
105J_1989_1598	0	2.6	3	180	170	0.17	18.6	48	3.8	<0.2	0.38	265	319	6	5.25	6
105J_1989_1599	0	2.5	3	202	189	0.15	16.3	38	5.0	<0.2	0.37	245	283	6	4.99	5
105J_1989_1600	0	2.9	3	292	283	0.16	11.1	29	7.6	0.3	0.40	707	785	5	4.53	4
105J_1989_1602	1	3.5	3	297	335	0.13	11.5	28	16.2	<0.2	0.57	814	854	3	2.72	2
105J_1989_1603	2	3.5	3	281	351	0.12	10.4	30	17.8	<0.2	0.55	1135	1183	3	2.83	3
105J_1989_1604	0	2.6	4	228	256	0.12	13.5	39	5.8	<0.2	0.38	348	457	5	4.99	6
105J_1989_1605	0	2.8	3	221	266	0.14	15.3	38	5.3	<0.2	0.38	281	378	5	4.89	5
105J_1989_1606	0	2.6	4	219	242	0.12	11.4	35	13.3	<0.2	0.35	>20000	>10000	16	15.93	18
105J_1989_1607	0	1.6	2	148	161	0.06	5.9	15	40.7	<0.2	0.34	12400	9151	<2	1.80	1
105J_1989_1608	0	3.8	4	116	128	0.12	13.3	32	18.5	<0.2	0.69	829	834	<2	1.37	2
105J_1989_1610	0	3.1	2	177	195	0.11	10.6	29	15.6	<0.2	0.60	2300	1864	<2	0.88	<1
105J_1989_1611	0	2.3	3	119	120	0.09	9.1	26	20.4	<0.2	0.37	630	602	<2	1.50	1
105J_1989_1612	0	2.5	5	88	77	0.07	9.9	40	11.9	<0.2	0.27	280	308	<2	0.41	<1
105J_1989_1613	0	0.8	<1	143	168	0.02	3.8	5	86.6	<0.2	0.09	439	417	3	1.98	3
105J_1989_1614	0	1.8	2	160	184	0.05	6.5	19	38.7	<0.2	0.17	1018	1065	<2	0.63	2
105J_1989_1615	0	2.9	5	95	107	0.09	9.6	46	9.6	<0.2	0.36	225	259	<2	0.43	<1
105J_1989_1616	0	2.2	3	214	242	0.07	11.4	29	18.9	<0.2	0.43	869	983	<2	2.35	3
105J_1989_1617	0	2.7	4	141	210	0.11	11.7	36	14.7	<0.2	0.47	7075	5726	5	4.49	4
105J_1989_1618	0	2.1	5	122	116	0.08	10.5	35	11.4	<0.2	0.33	398	406	<2	1.02	2
105J_1989_1619	0	2.0	3	507	658	0.09	16.7	30	15.4	<0.2	0.27	2050	1755	14	14.72	17
105J_1989_1620	0	1.9	2	530	668	0.10	16.5	31	14.8	<0.2	0.26	4150	3340	15	16.82	19
105J_1989_1622	1	2.1	3	524	665	0.10	16.0	29	20.2	<0.2	0.29	2700	2031	12	14.42	15
105J_1989_1623	2	2.0	3	556	633	0.09	15.8	28	17.2	<0.2	0.27	1196	1190	12	13.12	15
105J_1989_1624	0	3.8	4	139	141	0.18	14.1	34	13.7	<0.2	0.58	983	1085	4	3.43	4

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1588	0	0.010	0.41	60	60.2	0.135	15	14.33	100	0.08	3.6	2.59	4.6	3.5	10.0	4.7
105J_1989_1589	0	0.017	0.91	39	39.3	0.130	5	8.69	99	0.05	2.3	1.93	3.6	2.3	8.9	2.7
105J_1989_1590	0	0.018	0.81	45	47.1	0.127	7	9.11	110	0.06	1.6	1.44	2.5	1.9	9.0	3.9
105J_1989_1591	0	0.015	0.85	34	34.3	0.098	8	9.41	100	0.04	2.1	1.73	3.1	2.1	8.6	2.6
105J_1989_1593	0	0.018	0.88	32	31.7	0.112	10	8.73	99	0.05	2.0	1.53	3.0	2.0	8.2	2.7
105J_1989_1594	0	0.013	0.50	42	47.4	0.217	13	13.75	96	0.07	3.9	3.14	4.9	3.6	8.9	3.7
105J_1989_1595	0	0.022	0.94	40	37.1	0.079	11	11.35	130	0.17	2.9	1.98	4.5	2.0	7.5	2.4
105J_1989_1596	0	0.009	0.37	602	420.9	0.148	6	7.49	48	0.20	1.7	2.22	3.3	0.4	4.3	13.6
105J_1989_1597	0	0.007	<0.02	29	24.3	0.142	3	2.07	<5	1.65	0.6	1.34	1.4	0.3	0.6	5.2
105J_1989_1598	0	0.006	0.20	46	44.9	0.384	8	10.27	92	0.06	3.0	2.80	4.9	2.5	8.2	2.1
105J_1989_1599	0	0.006	0.25	53	50.5	0.295	14	11.91	93	0.06	4.0	3.18	5.8	2.7	8.1	2.7
105J_1989_1600	0	0.005	0.29	57	51.8	0.168	12	11.81	86	0.03	2.7	1.98	4.1	2.8	8.4	2.2
105J_1989_1602	1	0.014	0.63	44	43.4	0.156	15	13.27	82	0.17	1.2	1.13	1.8	3.5	8.6	2.6
105J_1989_1603	2	0.014	0.68	40	43.3	0.177	14	13.05	88	0.19	1.2	1.02	1.9	3.6	10.0	2.7
105J_1989_1604	0	0.007	0.28	60	61.0	0.262	13	11.50	110	0.10	3.6	2.88	5.5	2.7	10.0	3.0
105J_1989_1605	0	0.006	0.28	54	59.4	0.279	14	12.08	99	0.08	3.4	2.99	5.2	2.8	9.2	2.8
105J_1989_1606	0	0.007	0.38	58	65.5	0.209	12	9.50	83	0.07	2.1	1.50	3.0	2.3	8.0	2.1
105J_1989_1607	0	0.009	0.37	15	17.7	0.165	10	5.89	35	0.25	0.4	0.54	0.7	1.6	4.5	1.7
105J_1989_1608	0	0.012	0.74	21	23.3	0.123	14	9.82	89	0.13	0.6	0.58	1.1	3.2	10.0	1.0
105J_1989_1610	0	0.009	0.51	30	30.8	0.156	12	7.67	85	0.13	0.7	0.68	1.3	2.8	8.8	2.0
105J_1989_1611	0	0.010	0.56	22	21.4	0.130	13	10.66	70	0.30	0.7	0.63	1.0	2.1	7.1	1.8
105J_1989_1612	0	0.008	0.66	17	18.0	0.088	14	12.12	98	0.08	0.9	0.63	1.5	1.7	7.6	0.7
105J_1989_1613	0	0.005	0.08	14	14.7	0.140	6	4.13	6	0.74	1.0	1.18	1.5	0.6	3.1	2.3
105J_1989_1614	0	0.014	0.81	17	19.0	0.140	10	6.32	56	0.28	0.6	0.65	1.1	1.5	5.9	1.8
105J_1989_1615	0	0.011	0.78	25	24.8	0.106	16	12.55	130	0.07	0.6	0.40	1.1	2.0	12.0	0.4
105J_1989_1616	0	0.010	0.66	60	64.0	0.130	12	8.17	65	0.43	1.6	1.42	2.4	2.7	8.1	2.7
105J_1989_1617	0	0.006	0.50	78	82.4	0.163	15	12.78	90	0.09	1.6	1.22	2.5	2.5	9.5	3.3
105J_1989_1618	0	0.008	0.67	21	20.8	0.097	12	10.51	90	0.06	1.1	0.90	2.0	2.5	9.2	0.7
105J_1989_1619	0	0.006	0.32	145	139.6	0.142	22	19.54	93	0.12	11.0	9.48	16.1	2.1	7.7	5.7
105J_1989_1620	0	0.006	0.31	153	151.5	0.144	21	18.73	97	0.11	14.0	9.87	16.6	2.1	7.6	5.8
105J_1989_1622	1	0.007	0.34	104	104.4	0.131	21	19.38	95	0.13	12.0	9.59	14.8	2.0	7.5	6.6
105J_1989_1623	2	0.006	0.31	104	103.9	0.120	22	20.05	99	0.14	13.0	8.85	15.4	2.1	7.0	6.2
105J_1989_1624	0	0.010	0.44	37	41.1	0.140	18	15.86	100	0.07	2.1	1.74	3.4	2.3	8.2	1.4

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1588	0	4.6	4	56.1	1.0	0.6	0.06	4.0	8.9	0.020	0.36	6.5	8.6	8.0	79	80
105J_1989_1589	0	4.8	3	40.9	0.7	0.7	0.04	3.6	9.1	0.020	0.27	3.1	6.7	5.7	65	69
105J_1989_1590	0	4.6	3	42.4	0.7	0.5	0.03	0.9	10.0	0.021	0.27	3.3	6.2	6.0	83	90
105J_1989_1591	0	6.1	3	36.5	0.8	0.7	0.02	2.3	12.0	0.021	0.27	2.9	6.6	5.8	59	58
105J_1989_1593	0	5.0	3	35.7	0.7	<0.5	0.02	2.1	10.0	0.018	0.24	2.8	6.1	5.2	61	58
105J_1989_1594	0	4.8	3	39.3	0.6	0.6	0.05	5.1	10.0	0.033	0.37	5.8	6.9	7.3	89	86
105J_1989_1595	0	7.0	2	33.6	0.6	0.7	0.02	5.9	14.0	0.024	0.25	1.9	6.2	4.7	43	35
105J_1989_1596	0	2.0	1	87.5	0.6	<0.5	0.04	0.1	4.2	0.009	0.46	2.9	4.8	4.8	30	26
105J_1989_1597	0	0.2	4	59.6	<0.5	<0.5	<0.02	0.2	0.5	0.002	0.03	8.0	8.1	8.5	13	8
105J_1989_1598	0	6.8	2	135.4	1.0	0.7	0.05	3.4	7.9	0.011	0.22	4.5	8.2	7.7	83	98
105J_1989_1599	0	5.7	3	98.6	1.0	0.7	0.05	3.5	8.1	0.010	0.27	4.4	8.5	7.6	89	102
105J_1989_1600	0	4.9	2	75.3	0.7	0.6	0.06	2.1	7.2	0.007	0.21	3.0	6.4	5.7	75	88
105J_1989_1602	1	4.4	2	83.0	1.0	0.6	0.07	3.5	7.9	0.008	0.24	3.1	5.6	6.1	56	58
105J_1989_1603	2	4.7	3	92.4	0.8	0.8	0.04	3.2	8.2	0.008	0.22	3.1	5.7	6.3	50	53
105J_1989_1604	0	5.7	6	88.2	1.2	0.9	0.07	3.0	8.0	0.008	0.27	4.1	8.2	7.5	83	82
105J_1989_1605	0	5.6	1	88.3	1.1	0.9	0.08	3.2	7.9	0.009	0.26	4.8	8.4	8.1	84	86
105J_1989_1606	0	5.0	1	117.2	0.9	0.7	0.07	2.5	7.0	0.007	0.27	3.2	5.9	6.0	78	78
105J_1989_1607	0	2.4	2	154.0	<0.5	<0.5	0.05	1.2	3.7	0.005	0.09	2.5	3.2	3.7	43	33
105J_1989_1608	0	4.5	2	92.4	1.2	0.8	0.04	2.3	8.0	0.006	0.14	1.2	4.2	4.6	36	37
105J_1989_1610	0	4.2	1	83.5	1.0	0.8	0.04	2.5	7.4	0.007	0.13	1.5	4.3	4.3	37	38
105J_1989_1611	0	3.9	1	62.9	0.9	0.8	0.04	2.2	7.2	0.007	0.10	2.0	3.7	4.1	34	28
105J_1989_1612	0	6.0	2	54.5	1.2	0.9	0.03	3.3	12.0	0.003	0.08	1.8	4.5	4.8	29	25
105J_1989_1613	0	1.5	<1	87.2	<0.5	<0.5	<0.02	0.2	2.9	0.005	0.04	3.1	3.4	3.9	18	7
105J_1989_1614	0	3.1	2	129.8	0.5	0.5	0.03	1.2	5.4	0.005	0.09	2.8	4.0	4.6	35	28
105J_1989_1615	0	6.9	2	47.4	1.0	1.0	0.03	3.6	13.0	0.004	0.10	1.8	4.7	4.6	28	26
105J_1989_1616	0	4.5	2	55.6	0.7	0.8	0.03	2.4	6.9	0.004	0.19	3.8	6.2	6.7	34	35
105J_1989_1617	0	5.2	3	74.5	0.8	0.8	0.05	2.2	9.4	0.004	0.23	3.6	6.3	6.6	44	58
105J_1989_1618	0	5.0	2	51.7	1.2	1.0	0.02	2.8	10.0	0.004	0.11	1.1	3.9	3.9	29	31
105J_1989_1619	0	4.3	4	81.4	0.7	1.0	0.07	1.6	6.0	0.004	0.89	12.6	18.0	18.4	223	250
105J_1989_1620	0	4.4	3	81.9	<0.5	1.0	0.09	1.6	5.9	0.004	0.87	12.6	18.0	18.4	232	242
105J_1989_1622	1	4.1	3	80.9	0.7	1.1	0.06	1.2	6.0	0.004	0.88	16.6	23.3	24.4	237	211
105J_1989_1623	2	4.2	6	79.5	0.6	1.1	0.10	1.4	6.4	0.004	0.86	16.0	23.5	23.2	219	225
105J_1989_1624	0	5.6	4	59.1	1.0	0.8	0.06	2.1	10.0	0.014	0.21	2.5	5.3	5.3	62	64

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1588	0	0.5	2	26.81	2	370	375.3
105J_1989_1589	0	0.4	2	41.20	<2	310	332.3
105J_1989_1590	0	0.5	2	29.07	<2	403	451.8
105J_1989_1591	0	1.0	3	38.20	3	194	190.1
105J_1989_1593	0	0.7	2	37.79	2	206	209.0
105J_1989_1594	0	1.2	2	26.32	<2	276	258.0
105J_1989_1595	0	0.9	3	45.09	<2	146	139.3
105J_1989_1596	0	0.4	<1	16.28	<2	1110	900.0
105J_1989_1597	0	0.2	<1	10.74	<2	99	95.8
105J_1989_1598	0	1.3	3	28.35	<2	334	332.8
105J_1989_1599	0	0.8	3	26.16	<2	358	363.8
105J_1989_1600	0	0.1	<1	42.95	2	271	257.8
105J_1989_1602	1	<0.1	<1	13.84	<2	188	154.9
105J_1989_1603	2	<0.1	1	24.45	2	195	169.3
105J_1989_1604	0	0.4	2	43.29	3	403	427.5
105J_1989_1605	0	0.5	2	39.19	3	362	387.6
105J_1989_1606	0	1.6	2	29.32	2	336	354.7
105J_1989_1607	0	<0.1	<1	16.09	<2	225	212.8
105J_1989_1608	0	<0.1	<1	28.62	2	123	121.2
105J_1989_1610	0	<0.1	<1	32.97	<2	151	147.8
105J_1989_1611	0	<0.1	<1	23.15	<2	154	146.1
105J_1989_1612	0	<0.1	1	33.39	<2	105	98.7
105J_1989_1613	0	<0.1	<1	14.61	<2	86	81.1
105J_1989_1614	0	<0.1	<1	17.85	<2	198	163.0
105J_1989_1615	0	<0.1	2	20.48	3	133	123.1
105J_1989_1616	0	<0.1	1	27.66	<2	235	238.7
105J_1989_1617	0	<0.1	1	28.10	2	380	395.7
105J_1989_1618	0	<0.1	2	36.28	2	108	95.7
105J_1989_1619	0	0.1	1	28.70	4	1010	971.5
105J_1989_1620	0	<0.1	1	30.11	4	1020	1010.8
105J_1989_1622	1	<0.1	2	12.85	4	819	761.9
105J_1989_1623	2	<0.1	2	32.52	3	864	768.9
105J_1989_1624	0	<0.1	1	21.95	2	216	228.5

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_1625	0	0.2	431	0.93	8	9.7	16.0	17	14	11.43	3	423.2	2800	0.18	10.0	0.56
105J_1989_1626	0	0.3	492	1.08	7	9.6	13.0	11			6	310.6	2500	0.15	6.5	0.94
105J_1989_1627	0	1.0	1179	1.22	4	3.8	6.8	13			5	796.0	2200	0.13	28.0	0.58
105J_1989_1628	0	0.4	273	1.88	20	26.7	34.0	7			4	296.9	2200	0.17	4.6	1.09
105J_1989_1629	0	<0.2	281	1.79	14	18.0	28.0	6			3	343.3	3000	0.17	4.8	1.06
105J_1989_1631	0	0.4	262	1.82	19	24.3	31.0	7			2	314.4	2400	0.16	3.2	0.95
105J_1989_1632	0	<0.2	275	1.68	15	20.4	25.0	9			3	351.3	2200	0.16	2.7	1.00
105J_1989_1633	0	0.2	221	0.83	30	46.3	55.6	5			3	503.0	2200	0.10	12.0	1.05
105J_1989_1634	0	<0.2	251	0.89	30	50.2	55.6	4			3	563.4	2200	0.10	13.0	1.12
105J_1989_1635	0	0.4	471	1.25	20	34.7	40.0	9			6	679.0	2700	0.18	11.0	0.91
105J_1989_1636	0	0.4	432	1.16	19	30.4	38.0	9			5	584.6	2800	0.17	13.0	0.98
105J_1989_1637	0	0.3	634	0.71	2	<0.1	3.5	12			11	297.5	1500	0.10	40.0	1.15
105J_1989_1638	0	0.6	723	0.80	8	9.0	12.0	21	22	26.67	3	572.4	3700	0.18	6.4	0.83
105J_1989_1639	0	0.7	607	0.80	1	0.7	2.9	14	13	18.81	7	240.9	2000	0.11	20.0	0.93
105J_1989_1640	0	0.8	614	0.83	7	9.0	14.0	19	19	26.98	4	542.4	3200	0.15	5.9	0.81
105J_1989_1642	1	0.6	581	0.88	7	9.4	13.0	15	17	10.77	4	499.4	3400	0.14	5.6	0.87
105J_1989_1643	2	0.7	504	0.85	7	9.0	13.0	15	15	27.32	5	592.9	3400	0.13	4.8	0.79
105J_1989_1644	0	<0.2	176	0.91	19	33.2	38.0	<2			6	635.4	2800	0.08	6.0	0.79
105J_1989_1645	0	<0.2	196	0.92	13	21.2	27.0	4			6	575.8	2900	0.09	5.6	0.62
105J_1989_1646	0	0.3	311	1.01	11	21.4	24.0	5			6	513.2	2400	0.11	6.0	0.76
105J_1989_1647	0	0.4	225	0.83	5	7.7	11.0	4			6	778.1	3000	0.11	2.2	0.84
105J_1989_1648	0	<0.2	145	0.80	4	6.2	8.8	3			3	493.6	2200	0.14	2.9	0.61
105J_1989_1650	0	0.4	327	0.92	4	6.2	7.8	4			5	417.7	1800	0.15	6.7	0.65
105J_1989_1651	0	0.2	202	0.67	5	7.1	10.0	3			3	433.9	2200	0.11	1.5	0.67
105J_1989_3002	0	0.2	242	1.18	7	11.4	14.0	<2			4	281.8	1200	0.23	6.6	1.22
105J_1989_3003	0	<0.2	132	0.90	3	4.8	7.4	<2			3	193.6	1400	0.15	13.0	0.56
105J_1989_3005	0	<0.2	107	0.99	<1	0.2	1.8	<2			2	165.2	780	0.05	5.7	0.88
105J_1989_3006	0	0.2	411	1.55	4	6.2	8.9	<2			4	303.6	1400	0.21	10.0	1.32
105J_1989_3007	0	<0.2	210	0.99	5	7.2	11.0	<2			2	278.7	2000	0.16	3.9	0.55
105J_1989_3008	0	<0.2	270	1.43	5	7.1	10.0	<2			3	307.1	1700	0.16	6.3	0.70
105J_1989_3009	1	0.3	193	0.92	10	12.3	18.0	<2			2	323.5	2000	0.15	3.3	0.49
105J_1989_3010	2	0.3	188	0.94	10	12.1	19.0	4			2	362.1	2200	0.15	3.4	0.48
105J_1989_3011	0	0.2	293	0.93	7	10.0	12.0	4			3	426.1	2300	0.15	5.3	0.68

Silt Data - GSC Open File 5694 / YGS Open File 2008-4

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_1625	0	4.3	4.84	71	10	11.4	15	15.2	80	4.8	88	86.96	2	494	2.90	2.40	3.6
105J_1989_1626	0	2.5	2.42	74	9	9.0	11	20.6	75	4.8	77	78.96	2	562	2.37	2.14	3.1
105J_1989_1627	0	2.5	2.86	50	5	6.3	10	17.7	72	4.4	65	60.79	<1	449	1.58	1.45	2.2
105J_1989_1628	0	1.6	1.84	73	8	9.3	12	26.0	73	4.1	43	39.63	<1	658	2.53	2.20	3.2
105J_1989_1629	0	1.5	1.74	110	9	9.3	15	26.1	86	5.2	40	41.24	2	551	2.15	2.07	3.8
105J_1989_1631	0	1.2	1.45	86	9	9.6	12	26.0	73	4.4	38	36.67	<1	617	2.28	2.16	3.2
105J_1989_1632	0	1.3	1.56	85	9	8.9	12	25.0	81	4.0	39	39.10	1	612	2.06	2.04	2.8
105J_1989_1633	0	1.0	1.44	47	6	6.1	8	12.6	58	2.4	26	24.29	<1	487	4.82	4.46	5.8
105J_1989_1634	0	1.2	1.63	44	6	6.9	9	13.4	50	2.7	27	27.76	<1	458	5.07	4.76	5.6
105J_1989_1635	0	2.1	2.47	60	10	11.8	13	21.4	81	4.3	53	52.17	<1	504	4.21	4.09	4.5
105J_1989_1636	0	1.8	2.26	66	9	10.6	14	20.5	66	4.1	49	50.30	1	464	3.99	3.59	4.6
105J_1989_1637	0	2.3	2.28	51	8	4.9	6	12.3	66	3.2	77	75.78	<1	549	0.81	0.73	1.2
105J_1989_1638	0	1.7	2.19	71	10	12.8	16	14.1	85	5.2	71	74.11	1	737	2.36	2.29	3.4
105J_1989_1639	0	1.1	1.27	67	4	4.3	6	11.8	85	4.4	58	54.91	1	610	0.95	0.80	1.4
105J_1989_1640	0	1.6	1.88	67	9	9.6	15	12.7	91	5.3	69	68.10	1	746	2.85	2.73	3.8
105J_1989_1642	1	1.3	1.80	63	8	7.9	10	13.4	81	4.3	56	55.12	1	683	2.36	2.46	3.0
105J_1989_1643	2	1.4	1.46	67	8	7.9	11	13.4	84	4.7	57	52.39	<1	683	2.17	2.34	3.1
105J_1989_1644	0	0.4	1.00	58	6	6.7	8	13.0	67	3.0	20	20.68	<1	522	3.64	3.74	4.2
105J_1989_1645	0	0.6	1.07	60	7	6.8	9	12.2	59	4.2	21	22.44	<1	487	3.30	3.28	4.2
105J_1989_1646	0	1.6	1.86	49	7	6.4	8	13.2	60	3.9	30	29.97	<1	434	3.77	3.33	3.5
105J_1989_1647	0	1.0	1.30	51	7	7.8	10	13.5	41	3.3	27	28.33	<1	540	1.70	1.74	2.0
105J_1989_1648	0	0.4	0.73	97	6	6.6	8	12.7	69	3.4	16	15.77	<1	453	1.48	1.45	2.0
105J_1989_1650	0	1.4	1.72	62	6	5.7	7	13.9	64	3.3	33	32.64	<1	396	1.34	1.18	1.5
105J_1989_1651	0	0.4	0.83	65	7	6.1	8	11.9	61	3.0	22	22.07	<1	468	1.40	1.40	2.0
105J_1989_3002	0	0.6	1.13	96	7	5.8	8	11.2	41	4.5	20	20.17	1	324	2.73	2.50	3.2
105J_1989_3003	0	<0.2	0.50	69	7	5.6	10	11.6	45	4.4	14	13.69	<1	317	1.61	1.48	2.4
105J_1989_3005	0	0.8	1.09	34	3	1.9	<5	5.9	<20	2.0	18	18.63	<1	228	0.48	0.41	1.1
105J_1989_3006	0	1.0	1.24	67	7	5.9	9	14.5	38	6.4	29	26.35	<1	306	1.95	1.71	2.3
105J_1989_3007	0	0.6	0.90	93	7	5.8	9	11.6	45	6.0	18	17.08	1	342	1.60	1.57	2.4
105J_1989_3008	0	0.5	0.96	97	7	7.0	9	15.5	58	7.1	21	20.27	2	349	1.93	1.79	2.7
105J_1989_3009	1	0.5	0.86	94	9	6.9	12	13.6	61	5.7	21	19.74	1	373	1.76	1.70	2.3
105J_1989_3010	2	0.5	0.77	95	6	6.8	10	13.3	66	5.4	20	18.37	2	367	1.73	1.72	2.7
105J_1989_3011	0	0.8	1.37	79	8	8.5	12	15.7	72	4.9	25	25.52	<1	365	1.82	1.84	2.6

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_1625	0	2.4	4	250	271	0.09	12.2	34	13.2	<0.2	0.42	605	644	3	2.48	2
105J_1989_1626	0	3.2	4	173	197	0.10	16.6	36	20.1	<0.2	0.70	505	499	3	2.45	4
105J_1989_1627	0	2.8	2	377	473	0.15	11.1	22	30.9	<0.2	0.34	1130	1098	<2	2.36	2
105J_1989_1628	0	5.4	5	116	114	0.15	15.0	40	13.4	<0.2	0.87	269	316	<2	0.94	1
105J_1989_1629	0	5.4	6	102	110	0.16	15.9	52	12.6	<0.2	0.85	256	326	<2	0.98	3
105J_1989_1631	0	5.2	5	105	98	0.15	15.3	42	11.7	<0.2	0.88	246	311	<2	0.96	2
105J_1989_1632	0	5.0	5	99	93	0.17	16.1	39	10.3	<0.2	0.79	258	331	<2	1.14	1
105J_1989_1633	0	2.2	3	111	118	0.08	9.6	26	18.0	<0.2	0.39	3625	2825	4	4.48	5
105J_1989_1634	0	2.4	4	116	138	0.09	10.0	24	20.0	<0.2	0.41	4500	3664	5	5.16	5
105J_1989_1635	0	3.6	3	187	234	0.13	18.0	29	13.8	<0.2	0.57	4260	3593	3	2.21	<1
105J_1989_1636	0	3.4	4	190	255	0.12	17.0	31	14.7	<0.2	0.56	3100	2524	3	2.08	2
105J_1989_1637	0	1.8	2	1292	957	0.10	10.3	25	30.1	<0.2	0.34	66	69	3	3.67	4
105J_1989_1638	0	2.2	4	347	426	0.10	13.4	38	12.0	<0.2	0.36	228	274	4	4.22	4
105J_1989_1639	0	1.9	3	503	636	0.09	9.4	32	18.6	<0.2	0.34	49	54	<2	1.96	2
105J_1989_1640	0	2.0	4	282	333	0.10	11.6	37	11.3	<0.2	0.35	174	225	3	3.58	4
105J_1989_1642	1	2.3	4	255	326	0.11	10.6	33	9.7	<0.2	0.38	749	1116	3	2.72	3
105J_1989_1643	2	2.2	5	258	272	0.11	10.7	35	9.4	<0.2	0.37	678	816	3	2.98	3
105J_1989_1644	0	2.5	4	105	135	0.12	9.6	25	12.2	<0.2	0.33	964	1196	3	2.64	3
105J_1989_1645	0	2.5	4	112	123	0.10	8.8	28	13.2	<0.2	0.31	321	383	<2	2.09	2
105J_1989_1646	0	2.6	3	136	158	0.10	8.9	24	19.6	<0.2	0.31	336	364	<2	2.04	2
105J_1989_1647	0	2.4	3	116	121	0.15	10.6	24	7.9	<0.2	0.39	329	421	<2	1.87	2
105J_1989_1648	0	2.5	7	75	84	0.12	13.4	44	6.6	<0.2	0.30	176	227	<2	0.59	<1
105J_1989_1650	0	2.4	4	114	124	0.12	10.8	28	17.4	<0.2	0.29	121	119	<2	1.02	<1
105J_1989_1651	0	2.0	4	95	99	0.10	10.6	29	6.0	<0.2	0.32	260	305	<2	1.24	2
105J_1989_3002	0	3.9	3	88	98	0.09	29.3	46	24.4	<0.2	0.35	401	386	<2	1.06	<1
105J_1989_3003	0	2.6	5	54	54	0.08	13.6	36	10.8	<0.2	0.31	263	303	<2	0.59	<1
105J_1989_3005	0	2.6	2	54	44	0.06	6.1	17	19.9	<0.2	0.16	48	52	<2	0.42	2
105J_1989_3006	0	4.2	4	122	136	0.11	12.7	31	23.3	<0.2	0.46	274	287	<2	1.20	2
105J_1989_3007	0	3.1	12	65	62	0.08	17.3	47	6.8	<0.2	0.34	221	254	<2	1.08	<1
105J_1989_3008	0	4.4	8	75	74	0.11	21.1	49	11.5	<0.2	0.44	278	330	<2	1.17	<1
105J_1989_3009	1	2.6	7	65	58	0.08	17.6	43	6.1	<0.2	0.36	295	342	<2	1.25	1
105J_1989_3010	2	2.7	9	65	63	0.08	18.4	50	5.3	<0.2	0.37	250	322	<2	1.17	<1
105J_1989_3011	0	2.7	6	88	92	0.09	15.3	37	8.2	<0.2	0.42	365	456	<2	1.54	2

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_1625	0	0.004	0.39	72	74.5	0.142	14	12.91	89	0.09	2.1	1.78	3.4	2.2	10.0	3.8
105J_1989_1626	0	0.007	0.67	38	40.7	0.154	12	10.50	92	0.10	2.1	2.14	3.6	2.4	10.0	2.6
105J_1989_1627	0	0.012	0.56	41	42.5	0.236	11	9.73	73	0.19	1.6	1.63	2.7	0.4	9.3	6.9
105J_1989_1628	0	0.062	1.00	30	32.4	0.117	15	12.55	88	0.07	2.0	1.50	2.7	3.0	10.0	1.6
105J_1989_1629	0	0.059	1.30	31	34.0	0.128	16	13.10	110	0.06	1.6	1.44	3.3	3.2	13.0	1.5
105J_1989_1631	0	0.058	0.91	29	31.8	0.131	12	12.05	92	0.06	1.6	1.24	2.5	3.1	10.0	1.3
105J_1989_1632	0	0.060	0.86	27	31.5	0.131	13	11.88	87	0.05	1.8	1.38	2.5	3.0	9.0	1.2
105J_1989_1633	0	0.012	0.57	23	26.1	0.177	10	6.86	74	0.16	1.4	0.85	1.6	1.8	6.7	4.0
105J_1989_1634	0	0.012	0.53	23	29.8	0.187	11	7.51	78	0.17	1.3	0.89	1.6	1.9	6.5	3.9
105J_1989_1635	0	0.013	0.63	43	45.4	0.167	14	13.58	91	0.10	1.7	1.24	2.6	3.0	8.1	4.1
105J_1989_1636	0	0.013	0.65	42	40.4	0.170	13	12.45	110	0.12	1.5	1.36	2.7	2.8	8.5	4.5
105J_1989_1637	0	0.007	0.33	46	38.9	0.131	10	7.47	79	0.45	1.1	1.19	1.7	2.5	7.8	11.5
105J_1989_1638	0	0.005	0.36	43	40.6	0.162	16	13.05	120	0.11	2.0	1.56	3.3	3.7	12.0	2.7
105J_1989_1639	0	0.006	0.36	34	28.1	0.119	10	8.07	98	0.30	0.9	0.81	1.4	2.7	9.1	6.1
105J_1989_1640	0	0.005	0.34	44	40.4	0.177	14	11.58	110	0.07	2.0	2.12	3.4	3.5	11.0	3.1
105J_1989_1642	1	0.006	0.37	38	34.5	0.135	13	10.53	110	0.09	1.6	1.48	2.7	3.2	9.2	2.6
105J_1989_1643	2	0.005	0.36	37	33.3	0.152	14	10.17	110	0.07	1.5	1.64	2.7	3.0	10.0	2.5
105J_1989_1644	0	0.009	0.38	20	21.4	0.190	10	6.34	77	0.12	1.1	0.96	1.5	2.2	7.0	1.5
105J_1989_1645	0	0.008	0.47	22	22.4	0.162	10	6.69	86	0.25	1.1	0.99	1.7	2.3	7.9	1.6
105J_1989_1646	0	0.011	0.43	24	22.8	0.175	12	7.85	91	0.37	1.0	1.02	1.7	2.6	6.5	2.1
105J_1989_1647	0	0.009	0.35	28	26.2	0.158	11	10.36	90	0.06	1.4	1.31	2.3	2.6	6.1	1.6
105J_1989_1648	0	0.007	0.56	20	19.3	0.133	10	8.10	91	0.04	0.6	0.61	1.2	2.1	7.6	0.9
105J_1989_1650	0	0.013	0.60	27	23.3	0.114	11	9.80	77	0.14	1.0	1.10	1.8	2.6	7.0	1.1
105J_1989_1651	0	0.006	0.52	23	21.2	0.115	12	10.45	77	0.03	1.1	1.10	1.9	2.2	7.3	0.9
105J_1989_3002	0	0.027	1.00	13	13.3	0.101	18	14.16	110	0.14	0.5	0.66	1.1	3.4	9.0	1.2
105J_1989_3003	0	0.013	1.20	14	13.6	0.092	12	10.22	120	0.09	0.4	0.41	0.9	1.8	9.0	1.1
105J_1989_3005	0	0.052	1.40	7	5.6	0.066	7	4.05	50	0.24	0.4	0.41	0.7	1.6	4.3	2.0
105J_1989_3006	0	0.020	0.94	21	19.9	0.082	18	15.32	100	0.14	0.8	0.78	1.3	3.3	10.0	2.7
105J_1989_3007	0	0.011	1.00	16	15.2	0.100	14	12.56	130	0.03	0.9	0.73	1.7	2.2	8.4	0.9
105J_1989_3008	0	0.017	1.10	18	19.1	0.100	15	13.01	110	0.04	1.0	0.89	1.6	3.2	10.0	1.0
105J_1989_3009	1	0.011	0.88	20	19.0	0.090	15	11.71	100	0.02	1.3	0.97	1.9	2.3	9.3	1.1
105J_1989_3010	2	0.011	1.00	18	19.5	0.094	14	11.84	120	0.02	1.1	1.00	2.0	2.2	10.0	1.0
105J_1989_3011	0	0.011	0.83	26	27.2	0.110	15	12.44	99	0.06	1.4	1.32	2.2	2.5	9.4	1.8

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_1625	0	5.9	<1	75.7	0.9	1.2	0.06	1.8	9.0	0.004	0.16	4.4	6.8	6.8	41	38
105J_1989_1626	0	4.9	2	73.6	0.9	0.7	0.04	1.3	8.8	0.006	0.20	4.1	7.1	7.0	42	48
105J_1989_1627	0	4.4	<1	67.3	0.5	0.9	0.03	0.1	5.0	0.002	0.23	4.5	6.8	7.5	43	48
105J_1989_1628	0	5.6	3	82.5	1.0	0.9	0.02	2.0	10.0	0.045	0.18	2.0	4.6	4.7	44	49
105J_1989_1629	0	7.3	<1	82.8	1.6	1.1	0.03	2.7	13.0	0.044	0.19	1.8	5.6	4.5	46	47
105J_1989_1631	0	5.9	2	83.8	1.3	1.0	0.05	2.6	10.0	0.043	0.17	1.8	4.5	4.6	42	49
105J_1989_1632	0	5.8	2	85.4	1.3	0.9	0.02	2.6	10.0	0.041	0.17	1.8	4.7	4.6	42	48
105J_1989_1633	0	3.8	3	80.2	0.7	<0.5	0.03	1.8	6.5	0.008	0.14	3.2	5.2	5.4	37	44
105J_1989_1634	0	3.7	2	82.2	0.6	0.6	0.02	1.8	6.1	0.008	0.14	3.5	5.4	5.4	41	46
105J_1989_1635	0	5.0	4	77.6	0.9	0.8	0.06	3.4	8.3	0.012	0.24	1.8	4.3	4.6	79	63
105J_1989_1636	0	5.3	3	75.5	1.1	0.9	0.03	2.9	8.7	0.011	0.22	1.9	4.8	4.3	65	55
105J_1989_1637	0	3.2	2	57.3	1.0	0.6	<0.02	1.2	6.5	0.004	0.28	15.9	19.0	20.9	37	30
105J_1989_1638	0	5.6	1	53.3	1.5	1.0	0.06	2.5	10.0	0.004	0.24	3.3	7.6	7.1	61	54
105J_1989_1639	0	4.4	1	52.4	1.2	0.8	<0.02	1.7	8.1	0.003	0.21	6.0	11.0	10.6	40	31
105J_1989_1640	0	5.4	1	56.5	1.5	1.0	0.05	2.3	9.3	0.003	0.22	2.2	6.7	6.4	67	59
105J_1989_1642	1	5.1	1	56.8	1.5	0.7	0.03	2.4	8.9	0.004	0.20	1.6	5.2	5.5	62	57
105J_1989_1643	2	5.2	2	55.6	1.5	0.9	0.02	2.4	9.0	0.004	0.21	1.6	5.6	5.2	74	58
105J_1989_1644	0	4.0	3	59.1	1.0	0.8	<0.02	2.3	6.8	0.006	0.13	1.3	3.5	3.4	52	46
105J_1989_1645	0	4.2	<1	49.8	1.1	0.6	<0.02	2.1	7.1	0.005	0.13	1.0	3.5	3.4	45	43
105J_1989_1646	0	4.0	1	51.6	0.9	0.7	0.02	2.4	6.9	0.004	0.15	1.6	3.8	4.0	46	44
105J_1989_1647	0	4.6	1	67.0	0.9	0.6	0.03	2.8	7.4	0.007	0.17	1.8	4.6	4.2	54	51
105J_1989_1648	0	7.4	2	45.0	1.2	1.0	<0.02	3.2	12.0	0.016	0.15	1.2	4.5	4.0	37	30
105J_1989_1650	0	4.4	4	41.1	1.0	0.6	0.02	2.5	7.8	0.005	0.16	1.4	3.8	3.8	51	39
105J_1989_1651	0	4.6	2	45.8	0.9	0.6	0.02	2.7	7.4	0.007	0.12	1.1	3.4	3.3	46	39
105J_1989_3002	0	6.1	5	58.3	0.9	0.8	<0.02	4.8	12.0	0.025	0.15	10.6	13.0	13.2	48	32
105J_1989_3003	0	5.6	3	32.6	1.1	0.8	<0.02	3.5	10.0	0.014	0.10	3.2	6.5	6.1	24	27
105J_1989_3005	0	2.3	3	31.5	<0.5	<0.5	<0.02	0.9	5.3	0.019	0.07	6.2	7.9	8.7	19	14
105J_1989_3006	0	4.8	3	51.4	0.7	0.6	<0.02	3.1	11.0	0.016	0.13	4.5	7.1	7.1	48	32
105J_1989_3007	0	8.0	3	33.1	1.4	1.0	0.02	4.3	17.0	0.019	0.11	3.6	9.0	7.6	57	34
105J_1989_3008	0	8.0	2	37.4	1.2	1.4	<0.02	3.7	14.0	0.039	0.14	4.9	9.0	8.4	61	40
105J_1989_3009	1	6.9	5	32.0	1.1	0.9	0.04	3.9	13.0	0.016	0.12	2.1	5.5	5.1	48	36
105J_1989_3010	2	8.0	3	33.3	1.2	1.0	<0.02	4.5	15.0	0.017	0.12	1.8	5.7	4.6	45	36
105J_1989_3011	0	6.1	3	44.2	1.3	0.9	0.02	3.0	10.0	0.012	0.18	1.0	3.7	3.7	48	36

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_1625	0	<0.1	<1	20.39	3	369	352.3
105J_1989_1626	0	<0.1	1	30.80	3	189	178.7
105J_1989_1627	0	<0.1	<1	18.79	2	198	179.7
105J_1989_1628	0	0.2	<1	30.05	3	208	189.7
105J_1989_1629	0	<0.1	1	21.06	3	194	190.3
105J_1989_1631	0	0.3	<1	33.66	3	189	184.9
105J_1989_1632	0	0.2	1	16.29	2	157	158.2
105J_1989_1633	0	<0.1	<1	29.72	2	257	179.5
105J_1989_1634	0	<0.1	<1	27.65	<2	190	184.9
105J_1989_1635	0	0.2	1	26.65	<2	247	255.0
105J_1989_1636	0	<0.1	2	29.79	<2	226	234.5
105J_1989_1637	0	<0.1	<1	26.48	<2	148	140.8
105J_1989_1638	0	<0.1	2	35.99	3	255	260.3
105J_1989_1639	0	<0.1	1	27.75	3	137	122.8
105J_1989_1640	0	0.8	1	36.37	3	240	235.8
105J_1989_1642	1	<0.1	2	15.91	2	214	218.2
105J_1989_1643	2	<0.1	<1	34.24	2	224	216.1
105J_1989_1644	0	<0.1	1	15.77	<2	175	174.0
105J_1989_1645	0	0.1	<1	29.32	<2	192	189.9
105J_1989_1646	0	<0.1	1	26.31	<2	232	239.7
105J_1989_1647	0	0.1	<1	29.06	<2	150	156.0
105J_1989_1648	0	1.0	3	39.54	3	111	118.5
105J_1989_1650	0	0.1	<1	23.24	2	157	161.8
105J_1989_1651	0	<0.1	2	45.00	2	113	113.2
105J_1989_3002	0	0.2	2	24.52	3	124	112.1
105J_1989_3003	0	0.3	3	35.86	3	88	88.9
105J_1989_3005	0	<0.1	2	16.39	<2	58	62.9
105J_1989_3006	0	0.1	<1	22.57	<2	134	124.2
105J_1989_3007	0	0.3	3	38.25	3	114	108.0
105J_1989_3008	0	0.4	3	31.09	3	113	108.5
105J_1989_3009	1	0.3	2	18.70	2	118	108.3
105J_1989_3010	2	0.2	3	40.18	3	111	106.8
105J_1989_3011	0	0.1	2	37.24	3	135	145.1

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_3012	0	0.5	311	1.56	13	18.6	23.0	4			2	294.2	1400	1.91	12.0	0.62
105J_1989_3013	0	0.4	266	0.89	7	9.2	12.0	<2			2	171.4	1600	0.17	5.6	0.51
105J_1989_3014	0	<0.2	268	0.74	8	9.4	13.0	<2			2	168.2	1600	0.15	4.6	0.53
105J_1989_3015	0	<0.2	297	0.76	3	3.5	6.5	<2			3	165.5	1300	0.10	2.9	0.65
105J_1989_3016	0	0.3	522	1.16	5	6.8	9.2	4			2	403.1	2200	0.14	7.4	0.75
105J_1989_3017	0	0.2	455	1.08	10	11.9	16.0	8			3	386.5	2000	0.16	3.8	0.68
105J_1989_3018	0	<0.2	196	0.71	6	8.2	13.0	5			2	489.9	2900	0.12	1.2	0.39
105J_1989_3019	0	0.3	195	0.87	7	9.4	15.0	<2			3	668.0	3600	0.16	1.9	0.40
105J_1989_3020	0	0.4	238	0.94	3	5.0	8.5	5			2	634.1	3000	0.12	4.7	0.51
105J_1989_3022	0	<0.2	186	0.93	6	9.4	14.0	3			2	544.4	2500	0.17	2.2	0.36
105J_1989_3023	0	<0.2	302	1.48	6	10.7	14.0	5			1	293.5	1500	0.17	9.2	0.44
105J_1989_3024	0	0.2	332	1.15	9	14.5	20.0	5			1	370.1	2000	0.23	4.5	0.45
105J_1989_3025	0	0.2	637	1.81	15	25.6	34.0	9			<1	161.4	1500	0.26	14.0	0.41
105J_1989_3026	0	<0.2	221	2.92	7	11.3	14.0	<2			<1	153.9	1300	0.22	24.0	0.31
105J_1989_3027	0	<0.2	226	1.36	8	13.8	19.0	3			<1	143.6	1200	0.25	9.1	0.51
105J_1989_3028	0	<0.2	178	1.33	5	6.5	10.0	<2			1	88.6	1300	0.20	3.8	0.44
105J_1989_3029	0	<0.2	173	0.73	3	5.4	8.5	<2			1	520.5	1500	0.23	19.0	1.01
105J_1989_3030	1	<0.2	179	1.20	6	10.2	15.0	4			1	163.6	1500	0.24	3.7	0.46
105J_1989_3031	2	<0.2	172	1.09	7	9.1	13.0	<2			<1	168.4	1500	0.21	3.1	0.43
105J_1989_3032	0	<0.2	195	1.69	6	8.5	13.0	<2			<1	67.8	1100	0.25	9.4	0.59
105J_1989_3033	0	<0.2	275	1.64	16	25.3	34.0	<2			<1	113.4	1200	0.26	7.1	0.39
105J_1989_3034	0	<0.2	154	1.69	11	19.5	28.0	4			<1	162.3	1300	0.22	3.5	0.33
105J_1989_3035	0	<0.2	159	1.52	14	22.2	27.0	3			<1	174.1	1200	0.20	2.5	0.44
105J_1989_3036	0	<0.2	130	1.60	7	10.2	15.0	<2			<1	114.8	1100	0.17	4.1	0.49
105J_1989_3038	0	<0.2	138	2.40	10	15.5	22.0	<2			<1	113.3	1000	0.31	12.0	0.84
105J_1989_3039	0	<0.2	194	2.11	8	12.7	17.0	<2			<1	106.4	880	0.24	22.0	0.68
105J_1989_3040	0	<0.2	338	1.49	16	25.6	32.0	4			<1	215.7	2000	0.27	11.0	0.55
105J_1989_3042	1	0.2	296	0.95	12	17.8	26.0	4			1	275.6	2100	0.18	5.0	0.47
105J_1989_3043	2	0.3	280	0.99	13	18.2	24.0	5			1	309.8	2100	0.19	4.2	0.47
105J_1989_3045	0	0.2	71	1.26	13	15.3	22.0	<2			<1	110.4	1400	0.13	<0.5	0.41
105J_1989_3046	0	0.5	747	1.36	10	12.8	18.0	7			<1	259.3	1700	0.27	6.7	0.35
105J_1989_3047	0	<0.2	172	1.82	3	5.6	9.5	<2			<1	167.5	1100	0.17	11.0	0.69
105J_1989_3048	0	<0.2	110	1.82	5	7.3	12.0	6			<1	158.9	1200	0.18	4.0	0.64

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_3012	0	0.8	1.23	100	8	7.8	13	15.6	46	7.3	17	17.79	1	321	1.96	1.87	2.7
105J_1989_3013	0	0.6	0.98	110	6	7.8	9	10.7	73	6.5	18	18.42	2	362	1.82	1.97	2.9
105J_1989_3014	0	0.6	0.98	110	6	7.6	11	9.6	73	6.4	20	20.20	2	406	2.00	1.93	2.6
105J_1989_3015	0	2.5	2.68	75	5	5.5	10	11.2	92	5.0	14	13.18	1	465	1.32	1.27	2.1
105J_1989_3016	0	1.4	1.93	80	7	8.4	13	18.2	85	8.1	29	28.85	2	409	1.78	1.75	2.6
105J_1989_3017	0	1.3	1.42	86	7	7.5	11	17.1	77	6.3	29	28.36	1	432	1.89	1.88	2.4
105J_1989_3018	0	0.6	0.90	69	8	6.8	8	11.4	52	4.7	24	23.14	1	391	1.82	1.68	2.2
105J_1989_3019	0	0.7	1.13	82	7	7.1	8	13.8	70	6.0	24	24.33	1	441	1.82	1.83	2.4
105J_1989_3020	0	0.8	1.30	89	6	6.1	8	11.7	49	4.9	20	19.82	1	393	1.71	1.61	2.4
105J_1989_3022	0	0.2	0.68	75	8	8.4	12	13.0	57	6.7	20	21.74	1	468	1.82	1.91	2.7
105J_1989_3023	0	0.4	0.76	76	7	7.4	11	15.6	41	14.0	16	15.69	1	379	2.47	2.37	3.2
105J_1989_3024	0	0.5	1.06	85	8	10.4	12	15.0	56	10.0	26	26.40	<1	425	2.25	2.23	2.9
105J_1989_3025	0	1.3	1.66	110	12	16.0	21	19.6	54	27.0	66	63.22	2	454	3.47	3.49	4.3
105J_1989_3026	0	1.4	1.60	210	86	95.1	110	16.9	53	18.0	27	25.63	4	375	2.66	2.76	3.5
105J_1989_3027	0	1.9	1.97	110	21	22.1	29	14.0	53	10.0	36	33.98	<1	444	2.76	2.71	3.3
105J_1989_3028	0	0.2	0.39	100	9	9.2	12	13.0	47	10.0	19	21.66	<1	467	2.28	2.36	3.5
105J_1989_3029	0	0.4	0.91	87	16	19.7	19	9.6	60	5.4	24	25.31	1	391	4.74	4.66	4.7
105J_1989_3030	1	0.4	0.91	89	9	12.8	15	14.3	53	9.0	27	29.05	1	437	2.40	2.54	3.0
105J_1989_3031	2	0.6	0.94	100	11	12.7	17	13.1	55	7.7	27	28.93	<1	500	2.41	2.47	3.1
105J_1989_3032	0	<0.2	0.27	91	8	7.8	11	11.6	45	17.0	11	10.06	1	423	2.64	2.53	3.6
105J_1989_3033	0	<0.2	0.35	110	11	13.7	18	11.8	33	30.0	12	11.83	2	600	3.77	3.74	4.8
105J_1989_3034	0	<0.2	0.21	100	9	9.6	12	12.6	35	22.0	10	10.75	2	415	3.02	3.03	4.1
105J_1989_3035	0	0.2	0.36	93	8	9.1	12	11.9	29	12.0	9	9.67	<1	453	3.24	3.20	4.1
105J_1989_3036	0	0.2	0.23	91	7	6.4	10	11.8	47	12.0	8	8.22	1	369	2.28	2.23	3.1
105J_1989_3038	0	0.2	0.17	100	8	8.2	10	14.8	47	18.0	11	11.18	1	372	2.66	2.78	3.9
105J_1989_3039	0	0.2	0.36	92	9	8.6	11	14.5	<20	21.0	12	11.40	1	387	2.87	2.98	3.7
105J_1989_3040	0	0.8	1.29	84	11	12.0	14	14.2	46	16.0	26	25.36	2	450	3.11	3.38	3.8
105J_1989_3042	1	1.7	1.86	85	24	27.0	31	13.2	62	7.8	35	33.81	<1	488	2.70	2.57	3.1
105J_1989_3043	2	1.8	1.79	79	23	26.2	31	13.4	67	6.9	34	33.05	<1	452	2.55	2.58	3.1
105J_1989_3045	0	<0.2	0.38	91	7	7.0	8	9.9	40	6.6	9	9.41	<1	309	2.58	2.38	3.3
105J_1989_3046	0	3.3	3.24	220	7	7.8	13	17.6	68	10.0	34	34.40	<1	490	2.01	2.01	2.7
105J_1989_3047	0	<0.2	0.61	91	7	7.2	11	11.9	28	9.5	9	7.96	2	316	2.43	2.54	3.6
105J_1989_3048	0	<0.2	0.21	99	8	7.7	14	11.5	41	8.5	7	7.34	1	385	2.74	2.74	4.1

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_3012	0	4.0	6	78	83	0.10	26.8	50	12.7	<0.2	0.31	463	539	<2	1.18	<1
105J_1989_3013	0	2.3	8	68	74	0.11	17.3	54	7.5	<0.2	0.23	250	325	<2	1.32	<1
105J_1989_3014	0	1.9	6	68	78	0.09	11.3	52	7.9	<0.2	0.20	351	420	<2	1.39	<1
105J_1989_3015	0	2.0	10	82	93	0.08	14.1	34	7.0	<0.2	0.24	405	442	<2	1.30	<1
105J_1989_3016	0	3.0	6	78	83	0.10	17.4	39	10.7	<0.2	0.60	246	308	3	2.15	2
105J_1989_3017	0	2.9	10	82	78	0.11	16.6	41	6.8	<0.2	0.42	233	286	3	2.31	1
105J_1989_3018	0	2.0	6	98	88	0.08	14.0	33	4.2	<0.2	0.29	324	365	3	1.80	1
105J_1989_3019	0	2.6	10	74	67	0.08	17.9	42	5.3	<0.2	0.36	163	202	3	2.16	2
105J_1989_3020	0	2.7	8	109	94	0.09	15.8	40	7.4	<0.2	0.29	149	184	<2	1.27	2
105J_1989_3022	0	2.7	6	86	87	0.08	15.1	41	5.4	<0.2	0.36	231	315	<2	1.08	<1
105J_1989_3023	0	4.0	6	62	41	0.09	20.4	40	10.8	<0.2	0.46	415	496	<2	1.00	<1
105J_1989_3024	0	3.1	6	109	73	0.11	17.5	40	8.2	<0.2	0.39	366	446	<2	1.34	<1
105J_1989_3025	0	5.1	4	226	190	0.09	34.5	54	11.1	<0.2	0.70	474	596	4	3.74	2
105J_1989_3026	0	5.5	5	90	78	0.07	71.3	94	12.5	<0.2	0.57	958	1184	3	1.83	<1
105J_1989_3027	0	3.0	6	84	76	0.09	26.7	56	9.2	<0.2	0.56	835	913	<2	1.09	<1
105J_1989_3028	0	4.0	9	35	29	0.07	22.0	46	4.9	<0.2	0.61	279	370	<2	0.62	<1
105J_1989_3029	0	1.7	5	133	202	0.10	10.8	38	17.9	<0.2	0.19	7225	5146	<2	1.16	<1
105J_1989_3030	1	3.4	7	51	43	0.08	22.4	45	4.4	<0.2	0.59	419	513	<2	1.05	<1
105J_1989_3031	2	3.2	7	47	46	0.07	20.7	46	4.8	<0.2	0.56	444	520	<2	0.99	<1
105J_1989_3032	0	5.4	10	51	27	0.07	25.1	47	8.0	<0.2	0.66	473	559	<2	0.48	<1
105J_1989_3033	0	4.7	8	51	41	0.10	37.4	56	7.4	<0.2	0.55	803	1003	<2	1.56	<1
105J_1989_3034	0	4.7	8	43	30	0.09	29.0	48	9.5	<0.2	0.54	415	510	<2	0.98	<1
105J_1989_3035	0	4.6	18	35	46	0.11	28.1	40	3.8	<0.2	0.57	617	770	<2	0.82	<1
105J_1989_3036	0	5.0	12	47	49	0.08	21.9	45	5.6	<0.2	0.56	203	266	<2	0.57	1
105J_1989_3038	0	7.3	5	39	47	0.11	28.1	45	7.5	<0.2	0.67	491	617	<2	0.72	<1
105J_1989_3039	0	6.8	7	51	52	0.13	30.7	43	9.0	<0.2	0.69	509	634	<2	0.70	<1
105J_1989_3040	0	4.3	5	82	75	0.11	31.3	44	10.1	<0.2	0.52	785	999	<2	1.59	<1
105J_1989_3042	1	2.5	5	86	70	0.08	17.5	36	8.3	<0.2	0.33	1075	1186	<2	1.98	1
105J_1989_3043	2	2.5	6	82	73	0.08	17.9	36	8.3	<0.2	0.34	1028	1162	3	2.07	<1
105J_1989_3045	0	4.2	7	39	35	0.09	24.6	44	2.4	<0.2	0.51	381	464	<2	0.59	<1
105J_1989_3046	0	4.9	9	86	68	0.13	60.5	94	7.5	<0.2	0.32	329	404	6	6.02	2
105J_1989_3047	0	5.1	10	74	60	0.09	31.8	47	8.2	<0.2	0.55	260	359	<2	0.53	<1
105J_1989_3048	0	5.3	11	42	45	0.10	29.5	48	5.5	<0.2	0.61	336	431	<2	0.50	<1

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_3012	0	0.017	1.10	17	17.8	0.102	15	13.93	120	0.05	1.0	0.90	1.7	2.6	10.0	1.9
105J_1989_3013	0	0.010	0.68	19	20.1	0.094	16	15.40	130	0.04	1.0	0.73	1.4	2.9	10.0	1.6
105J_1989_3014	0	0.006	0.61	21	20.8	0.099	16	13.96	130	0.05	1.1	0.73	1.5	2.6	10.0	1.4
105J_1989_3015	0	0.011	0.75	17	17.1	0.165	9	7.20	89	0.04	1.0	0.68	1.6	2.0	9.5	2.2
105J_1989_3016	0	0.008	0.88	31	31.1	0.098	16	14.42	110	0.05	1.6	1.59	2.7	2.3	10.0	1.6
105J_1989_3017	0	0.020	0.61	30	28.7	0.142	16	16.53	87	0.04	1.7	1.79	2.9	2.5	10.0	2.1
105J_1989_3018	0	0.008	0.57	24	24.3	0.091	11	10.85	94	0.02	1.6	1.31	2.6	1.8	7.7	1.5
105J_1989_3019	0	0.009	0.58	24	24.1	0.085	16	15.24	100	0.04	1.9	1.53	3.3	2.0	8.6	1.4
105J_1989_3020	0	0.014	0.76	18	19.3	0.092	10	8.59	100	0.07	1.1	0.94	2.0	2.4	9.1	2.2
105J_1989_3022	0	0.009	0.64	18	22.8	0.080	12	11.93	110	0.05	1.5	1.07	2.2	2.2	10.0	1.1
105J_1989_3023	0	0.016	0.87	12	15.1	0.085	13	11.78	120	0.04	1.0	0.73	1.6	3.1	13.0	1.0
105J_1989_3024	0	0.013	0.70	23	28.1	0.086	14	14.51	110	0.05	1.8	1.44	2.7	2.8	10.0	1.4
105J_1989_3025	0	0.009	0.64	41	44.9	0.113	21	21.81	160	0.08	3.2	2.52	4.7	4.8	16.0	1.9
105J_1989_3026	0	0.013	0.95	94	97.3	0.090	16	13.99	120	0.07	1.0	0.84	1.8	4.3	14.0	1.4
105J_1989_3027	0	0.010	0.67	50	48.2	0.074	19	16.17	130	0.06	1.4	1.14	2.4	2.9	12.0	1.4
105J_1989_3028	0	0.012	1.00	18	19.9	0.080	17	15.74	160	0.03	0.9	0.71	2.1	3.3	14.0	0.5
105J_1989_3029	0	0.015	0.47	22	26.3	0.090	14	14.40	100	0.12	0.9	0.77	1.5	2.4	8.6	1.7
105J_1989_3030	1	0.010	0.68	27	29.6	0.080	18	18.77	150	0.05	1.5	1.15	2.6	3.1	10.0	0.7
105J_1989_3031	2	0.008	0.72	28	29.9	0.077	19	17.73	140	0.04	1.4	1.18	2.3	2.8	11.0	0.8
105J_1989_3032	0	0.022	1.30	4	5.2	0.061	17	15.00	190	0.04	0.9	0.44	1.9	4.5	16.0	0.7
105J_1989_3033	0	0.009	0.79	6	8.6	0.077	24	22.56	190	0.06	1.8	1.21	2.7	5.4	18.0	0.9
105J_1989_3034	0	0.015	1.00	6	8.1	0.064	19	17.29	160	0.04	1.4	0.96	2.2	5.4	17.0	0.5
105J_1989_3035	0	0.022	1.00	5	8.0	0.069	15	14.40	160	0.05	1.5	1.11	2.2	5.6	16.0	0.7
105J_1989_3036	0	0.029	1.50	6	6.6	0.066	11	9.86	130	0.04	1.0	0.65	1.8	4.7	15.0	0.6
105J_1989_3038	0	0.032	1.40	8	8.1	0.070	19	17.37	130	0.04	0.9	0.52	1.2	6.4	18.0	0.5
105J_1989_3039	0	0.032	1.20	6	7.1	0.071	18	17.66	140	0.05	1.1	0.69	1.5	6.6	16.0	1.0
105J_1989_3040	0	0.012	0.67	25	27.6	0.078	30	28.62	170	0.06	2.2	1.52	3.2	4.8	15.0	2.2
105J_1989_3042	1	0.008	0.56	58	59.0	0.088	17	14.05	110	0.06	2.4	2.17	4.3	2.7	9.3	1.8
105J_1989_3043	2	0.009	0.56	57	56.8	0.086	17	14.49	97	0.07	2.5	2.21	3.9	2.7	10.0	1.8
105J_1989_3045	0	0.030	1.30	6	8.0	0.059	12	10.22	130	0.01	0.4	1.11	2.8	4.7	14.0	0.3
105J_1989_3046	0	0.009	1.10	48	49.6	0.099	35	32.32	210	0.04	2.5	2.23	3.7	2.9	10.0	7.1
105J_1989_3047	0	0.025	1.30	5	6.7	0.066	13	12.02	130	0.04	1.0	0.69	1.7	6.3	17.0	1.1
105J_1989_3048	0	0.026	1.40	3	5.4	0.078	16	13.96	140	0.02	1.2	0.87	2.2	5.9	17.0	0.5

Unique ID	Rep Stat	Sm INAA ppm 0.1	Sn AAS ppm 1	Sr ICP-MS ppm 0.5	Ta INAA ppm 0.5	Tb INAA ppm 0.5	Te ICP-MS ppm 0.02	Th ICP-MS ppm 0.1	Th INAA ppm 0.2	Ti ICP-MS % 0.001	Tl ICP-MS ppm 0.02	U ICP-MS ppm 0.1	U INAA ppm 0.2	U NADNC ppm 0.5	V AAS ppm 5	V ICP-MS ppm 2
105J_1989_3012	0	8.5	2	33.3	1.1	1.3	0.02	2.9	16.0	0.015	0.16	8.1	12.0	11.6	36	34
105J_1989_3013	0	8.7	3	24.9	1.3	1.2	0.04	4.1	19.0	0.006	0.14	1.1	4.3	4.2	26	25
105J_1989_3014	0	8.5	3	23.7	1.3	1.2	0.04	2.1	18.0	0.003	0.12	1.0	3.9	3.8	24	21
105J_1989_3015	0	6.2	2	36.1	1.1	1.0	<0.02	2.4	10.0	0.005	0.17	1.1	4.7	4.3	32	22
105J_1989_3016	0	6.6	3	40.2	1.0	1.1	0.04	2.0	10.0	0.014	0.21	0.9	4.0	3.5	54	31
105J_1989_3017	0	7.0	3	42.5	1.0	1.1	0.05	3.1	11.0	0.010	0.20	1.4	5.3	5.5	54	38
105J_1989_3018	0	6.0	3	45.3	1.2	0.8	<0.02	3.2	10.0	0.008	0.13	1.0	4.3	3.9	24	35
105J_1989_3019	0	7.6	3	41.6	1.3	1.1	0.03	4.0	13.0	0.008	0.13	1.4	5.8	4.9	35	40
105J_1989_3020	0	6.8	2	46.0	1.1	1.0	0.03	3.1	11.0	0.009	0.15	2.3	6.4	5.6	40	43
105J_1989_3022	0	6.3	3	38.3	1.2	0.9	<0.02	3.7	11.0	0.008	0.14	1.3	4.4	3.7	35	33
105J_1989_3023	0	7.0	3	30.9	1.2	1.1	0.03	1.6	11.0	0.016	0.16	2.2	5.1	4.8	34	39
105J_1989_3024	0	6.6	3	36.8	0.9	1.0	0.06	3.4	11.0	0.010	0.19	2.0	5.0	4.6	41	37
105J_1989_3025	0	9.1	1	41.8	1.3	1.5	0.08	3.0	12.0	0.027	0.31	3.3	6.4	6.1	59	65
105J_1989_3026	0	18.4	3	26.9	1.1	3.5	0.04	2.3	10.0	0.036	0.17	3.6	5.8	5.8	43	46
105J_1989_3027	0	9.3	2	38.2	1.2	1.4	0.03	4.7	14.0	0.015	0.13	1.6	4.6	4.4	33	27
105J_1989_3028	0	7.5	2	27.8	1.8	1.1	0.03	5.6	14.0	0.031	0.11	1.3	4.8	4.2	35	35
105J_1989_3029	0	6.8	3	80.1	1.1	1.0	0.03	3.0	13.0	0.004	0.11	1.3	3.6	3.8	24	23
105J_1989_3030	1	8.2	3	34.5	1.7	1.4	0.04	5.8	15.0	0.021	0.11	1.2	4.6	4.0	36	30
105J_1989_3031	2	8.0	2	32.4	1.4	1.2	0.04	5.4	14.0	0.017	0.11	1.1	4.4	3.8	31	28
105J_1989_3032	0	7.9	4	30.9	1.2	1.3	0.02	5.4	14.0	0.035	0.10	3.4	6.5	6.0	40	38
105J_1989_3033	0	9.5	3	22.5	1.3	1.6	0.02	6.0	15.0	0.015	0.18	3.5	6.7	6.2	42	37
105J_1989_3034	0	8.1	2	23.1	1.4	1.4	0.03	4.7	14.0	0.013	0.15	2.9	6.2	5.1	41	40
105J_1989_3035	0	6.9	2	30.6	1.4	1.2	0.02	7.7	14.0	0.035	0.13	2.1	5.4	5.0	43	41
105J_1989_3036	0	7.1	5	29.3	1.8	1.1	<0.02	5.2	13.0	0.046	0.10	3.0	6.4	5.7	39	38
105J_1989_3038	0	7.9	3	42.2	1.3	1.2	<0.02	5.3	14.0	0.047	0.12	5.6	8.9	7.5	50	48
105J_1989_3039	0	7.8	3	32.3	1.1	1.2	<0.02	6.0	13.0	0.045	0.13	5.7	8.2	8.1	44	48
105J_1989_3040	0	7.7	3	33.3	1.3	1.2	0.03	5.4	12.0	0.010	0.18	1.9	5.0	4.7	43	43
105J_1989_3042	1	7.0	2	49.9	1.1	1.1	0.05	3.4	11.0	0.008	0.14	1.7	5.4	4.7	40	37
105J_1989_3043	2	6.5	2	49.1	1.1	1.0	0.04	3.5	10.0	0.008	0.15	1.6	4.9	4.3	36	38
105J_1989_3045	0	7.3	2	22.9	1.2	1.3	0.02	7.9	15.0	0.041	0.08	1.2	4.4	4.2	37	34
105J_1989_3046	0	16.7	4	30.6	2.2	2.9	0.03	14.7	32.6	0.022	0.26	6.8	12.0	11.1	57	66
105J_1989_3047	0	8.4	3	40.8	1.2	1.4	<0.02	6.9	16.0	0.029	0.11	3.6	7.1	6.0	34	39
105J_1989_3048	0	7.8	1	36.6	1.6	1.4	<0.02	7.8	16.0	0.037	0.09	1.6	4.9	4.2	40	40

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_3012	0	0.2	1	24.47	3	122	125.8
105J_1989_3013	0	0.5	2	25.43	3	104	112.2
105J_1989_3014	0	<0.1	2	35.13	3	110	108.6
105J_1989_3015	0	<0.1	2	30.62	3	128	125.8
105J_1989_3016	0	0.4	2	33.25	3	168	164.8
105J_1989_3017	0	0.6	2	33.77	3	154	150.3
105J_1989_3018	0	<0.1	2	45.46	3	138	135.6
105J_1989_3019	0	0.3	3	39.79	3	150	152.6
105J_1989_3020	0	<0.1	2	30.73	2	142	152.6
105J_1989_3022	0	0.2	2	39.86	2	113	117.1
105J_1989_3023	0	0.2	3	18.00	3	115	112.1
105J_1989_3024	0	0.3	2	25.38	3	146	146.3
105J_1989_3025	0	0.2	3	29.47	4	274	333.1
105J_1989_3026	0	0.4	2	26.71	7	700	623.6
105J_1989_3027	0	0.1	3	27.69	3	303	285.0
105J_1989_3028	0	0.1	3	37.71	3	101	102.8
105J_1989_3029	0	<0.1	3	17.82	<2	186	192.2
105J_1989_3030	1	0.1	3	31.81	2	155	165.8
105J_1989_3031	2	0.5	2	20.20	3	155	158.6
105J_1989_3032	0	0.3	3	28.59	3	71	68.8
105J_1989_3033	0	0.2	5	33.15	5	111	108.4
105J_1989_3034	0	0.1	4	33.00	4	76	73.6
105J_1989_3035	0	0.1	4	18.41	4	78	80.1
105J_1989_3036	0	0.3	2	39.07	4	66	65.7
105J_1989_3038	0	0.2	2	29.78	3	72	71.4
105J_1989_3039	0	0.3	3	12.79	3	79	78.2
105J_1989_3040	0	0.1	2	27.19	3	174	181.8
105J_1989_3042	1	<0.1	2	17.79	3	306	303.7
105J_1989_3043	2	0.1	<1	29.26	2	315	325.1
105J_1989_3045	0	0.2	2	36.55	3	67	67.2
105J_1989_3046	0	0.5	2	29.72	7	437	486.4
105J_1989_3047	0	0.1	1	34.19	4	103	99.0
105J_1989_3048	0	0.1	2	42.44	4	70	71.3

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_3049	0	<0.2	191	2.18	10	17.5	24.0	<2			<1	155.7	1100	0.25	10.0	0.54
105J_1989_3050	0	<0.2	134	1.69	8	15.1	20.0	<2			1	132.1	1100	0.24	4.7	0.35
105J_1989_3051	0	<0.2	136	1.74	4	6.7	10.0	<2			1	193.3	1100	0.17	6.0	0.58
105J_1989_3052	0	<0.2	99	1.93	4	7.8	11.0	<2			1	244.0	1200	0.17	4.1	0.59
105J_1989_3053	0	<0.2	126	1.92	5	9.4	15.0	<2			2	276.6	1400	0.18	9.4	0.74
105J_1989_3054	0	0.2	170	1.70	6	11.4	17.0	5			1	187.2	1200	0.18	9.2	0.61
105J_1989_3055	0	<0.2	39	1.78	8	11.7	18.0	<2			1	190.5	1500	0.19	1.6	0.46
105J_1989_3056	0	0.3	486	1.34	19	38.0	46.0	4			3	690.0	2500	0.26	6.1	0.46
105J_1989_3057	0	0.6	612	1.50	30	50.7	55.7	10			1	258.1	1700	0.28	8.7	0.54
105J_1989_3058	0	0.3	553	1.12	15	30.2	33.0	24	8	25.91	2	487.7	2300	0.20	2.7	0.37
105J_1989_3059	0	0.2	248	0.92	5	8.8	12.0	6			2	416.9	2100	0.17	3.9	0.35
105J_1989_3060	0	0.4	299	0.88	6	10.8	15.0	4			1	340.7	2000	0.17	3.9	0.48
105J_1989_3062	0	0.3	189	1.04	8	12.3	17.0	3			2	339.9	1800	0.18	2.5	0.48
105J_1989_3063	1	<0.2	88	1.62	2	3.7	5.9	<2			1	264.8	1700	0.11	1.5	0.76
105J_1989_3064	2	<0.2	92	1.69	2	3.8	6.2	3			2	269.5	1700	0.11	2.1	0.79
105J_1989_3065	0	<0.2	64	2.29	11	19.5	28.0	<2			2	200.2	1200	0.17	8.5	0.90
105J_1989_3067	0	<0.2	65	2.12	8	14.3	19.0	<2			2	212.8	1200	0.16	7.4	0.87
105J_1989_3068	0	<0.2	67	2.06	3	5.6	8.7	<2			2	226.9	1200	0.14	6.4	0.92
105J_1989_3069	0	0.2	242	0.77	6	9.2	13.0	<2			1	132.7	1400	0.13	4.7	0.36
105J_1989_3070	0	0.4	263	0.94	9	15.4	19.0	<2			1	161.4	1500	0.16	6.0	0.39
105J_1989_3071	0	0.2	295	0.99	10	16.2	21.0	<2			1	137.9	1400	0.13	3.9	0.38
105J_1989_3072	0	0.9	1057	1.93	5	14.0	17.0	8			2	416.0	2200	0.22	8.7	0.97
105J_1989_3073	0	0.4	492	1.09	8	12.4	15.0	9			3	472.0	2500	0.14	5.1	0.60
105J_1989_3074	0	0.7	805	1.20	6	11.0	13.0	7			2	562.9	2800	0.20	3.8	0.50
105J_1989_3075	0	0.3	238	1.61	10	15.3	21.0	7			<1	70.4	1100	0.43	5.0	0.51
105J_1989_3076	0	0.4	427	1.12	3	6.5	9.2	4			2	629.9	2400	0.21	7.8	0.71
105J_1989_3077	0	0.3	334	0.63	8	11.4	15.0	8			2	632.9	3500	0.21	1.2	0.61
105J_1989_3078	0	0.3	425	0.85	6	10.8	14.0	5			2	478.7	2900	0.16	2.9	0.64
105J_1989_3079	0	0.4	212	0.77	3	5.0	7.1	3			3	306.3	1800	0.17	2.7	0.92
105J_1989_3080	0	0.3	243	0.90	4	8.5	11.0	3			4	443.9	1700	0.12	11.0	1.32
105J_1989_3082	0	0.3	363	1.21	5	9.5	12.0	9			5	693.5	4000	0.16	4.2	1.04
105J_1989_3083	0	<0.2	455	0.96	4	7.3	10.0	8			4	514.0	3000	0.12	2.4	1.05
105J_1989_3084	1	0.2	499	1.34	3	7.6	9.4	7			4	494.9	2800	0.18	6.2	1.09

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_3049	0	<0.2	0.23	92	10	9.3	15	14.1	39	14.0	11	10.66	2	367	2.88	3.19	4.6
105J_1989_3050	0	<0.2	0.13	89	6	7.1	13	12.0	49	12.0	10	9.15	<1	291	2.64	2.56	4.0
105J_1989_3051	0	<0.2	0.27	91	8	6.8	9	11.4	45	12.0	8	7.47	1	339	2.63	2.61	3.7
105J_1989_3052	0	<0.2	0.24	78	8	8.3	11	13.2	44	4.8	12	11.11	<1	362	2.80	2.72	3.8
105J_1989_3053	0	<0.2	0.42	78	9	7.5	12	13.5	35	5.1	10	9.72	1	331	2.64	2.60	3.6
105J_1989_3054	0	<0.2	0.30	100	6	7.1	12	11.8	34	11.0	9	9.43	<1	330	2.73	2.73	4.1
105J_1989_3055	0	<0.2	0.28	84	7	7.5	11	13.2	41	9.2	11	10.33	1	379	2.52	2.60	4.0
105J_1989_3056	0	0.7	1.50	95	11	13.5	17	15.1	83	24.0	34	39.98	2	403	2.86	3.13	4.2
105J_1989_3057	0	1.6	2.24	100	12	14.5	19	14.4	71	32.0	28	29.23	2	415	3.02	3.16	4.2
105J_1989_3058	0	0.4	1.66	96	9	10.4	13	14.1	74	17.0	20	24.29	1	431	1.99	1.94	2.8
105J_1989_3059	0	0.6	1.09	78	8	8.4	13	12.0	69	4.3	19	18.56	<1	362	2.01	1.88	2.9
105J_1989_3060	0	0.9	1.38	79	9	9.6	15	11.6	57	5.0	27	26.45	<1	406	2.17	1.97	2.8
105J_1989_3062	0	<0.2	0.91	79	9	8.5	12	12.0	42	7.2	21	21.49	<1	352	2.30	2.16	3.0
105J_1989_3063	1	<0.2	0.41	86	6	5.9	10	11.9	49	4.5	11	10.67	<1	355	2.07	2.01	2.9
105J_1989_3064	2	<0.2	0.44	84	7	6.2	10	12.8	42	4.7	11	11.30	<1	361	1.99	2.05	2.6
105J_1989_3065	0	<0.2	0.36	95	7	7.2	15	11.9	35	5.9	8	8.09	<1	361	2.47	2.58	4.8
105J_1989_3067	0	<0.2	0.38	90	6	7.1	14	11.6	39	5.1	9	8.62	1	312	2.43	2.55	4.4
105J_1989_3068	0	<0.2	0.19	100	7	7.8	14	11.7	22	9.0	8	6.95	2	296	2.76	2.86	5.0
105J_1989_3069	0	0.3	0.55	79	6	4.8	8	6.3	30	6.8	11	10.91	<1	328	1.53	1.36	2.2
105J_1989_3070	0	0.3	0.72	97	6	5.5	7	6.8	35	10.0	11	11.96	1	330	1.91	1.76	2.5
105J_1989_3071	0	<0.2	0.38	110	6	5.0	9	7.4	42	8.9	9	10.44	1	379	1.91	1.97	3.2
105J_1989_3072	0	1.0	1.67	110	8	8.0	12	14.4	69	16.0	37	36.77	3	427	2.46	2.29	3.1
105J_1989_3073	0	2.4	2.60	89	8	8.8	12	15.8	94	8.0	29	27.03	2	480	1.80	1.94	2.6
105J_1989_3074	0	5.6	5.64	94	10	12.2	15	19.2	77	10.0	52	54.87	1	509	2.14	2.37	3.3
105J_1989_3075	0	<0.2	0.28	83	7	9.7	13	12.8	33	17.0	10	10.28	1	537	3.00	3.30	3.9
105J_1989_3076	0	1.7	2.06	60	10	11.4	14	13.8	64	6.4	36	35.73	<1	413	3.37	3.14	3.8
105J_1989_3077	0	5.2	5.27	67	8	8.7	11	12.7	69	4.0	45	44.28	1	529	1.74	1.81	2.5
105J_1989_3078	0	4.7	5.11	63	6	7.7	11	13.5	59	6.9	38	38.35	<1	513	1.98	1.85	2.7
105J_1989_3079	0	0.4	0.82	57	5	4.4	7	9.2	47	3.6	21	19.08	<1	455	1.33	1.20	1.8
105J_1989_3080	0	0.6	1.10	61	7	5.6	8	9.4	42	3.4	13	12.40	<1	351	2.88	2.71	3.2
105J_1989_3082	0	1.9	2.36	73	10	12.8	15	26.8	91	4.9	61	62.65	<1	764	2.44	2.84	3.5
105J_1989_3083	0	1.0	1.52	55	7	6.5	8	19.5	79	3.7	69	65.68	1	694	1.78	1.74	2.1
105J_1989_3084	1	1.0	1.49	61	8	9.5	11	22.3	72	4.3	64	60.97	<1	730	2.50	2.26	2.4

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_3049	0	6.5	6	66	72	0.10	30.9	47	10.7	<0.2	0.68	595	767	<2	0.69	<1
105J_1989_3050	0	5.3	9	51	39	0.08	19.4	39	12.1	<0.2	0.52	461	532	<2	0.76	2
105J_1989_3051	0	5.3	12	70	60	0.11	27.0	44	6.6	<0.2	0.61	370	462	<2	0.40	<1
105J_1989_3052	0	5.7	7	72	72	0.10	23.7	36	7.4	<0.2	0.53	299	380	<2	0.83	<1
105J_1989_3053	0	5.4	9	68	103	0.11	27.5	41	9.5	<0.2	0.57	443	557	<2	0.64	<1
105J_1989_3054	0	5.1	10	76	76	0.09	27.6	47	8.7	<0.2	0.59	376	478	<2	0.52	<1
105J_1989_3055	0	5.3	8	34	35	0.14	20.6	45	5.4	<0.2	0.56	336	443	<2	0.79	<1
105J_1989_3056	0	3.7	6	114	138	0.14	18.6	45	9.4	<0.2	0.38	466	622	4	3.12	2
105J_1989_3057	0	4.1	12	114	101	0.10	28.3	49	9.8	<0.2	0.45	728	904	3	2.77	<1
105J_1989_3058	0	3.0	8	76	70	0.09	15.2	46	8.9	<0.2	0.31	386	567	<2	1.46	<1
105J_1989_3059	0	2.5	6	80	85	0.07	11.5	39	6.1	<0.2	0.29	848	974	<2	0.92	<1
105J_1989_3060	0	2.6	6	114	115	0.07	14.3	40	7.5	<0.2	0.28	713	764	3	2.83	3
105J_1989_3062	0	3.2	6	91	83	0.09	17.8	38	5.6	<0.2	0.39	409	510	<2	1.36	<1
105J_1989_3063	1	5.2	8	95	88	0.10	21.9	42	5.5	<0.2	0.46	196	256	<2	0.61	<1
105J_1989_3064	2	5.1	8	103	92	0.10	21.9	39	5.9	<0.2	0.46	199	267	<2	0.66	<1
105J_1989_3065	0	6.4	14	46	38	0.10	24.3	45	8.5	<0.2	0.63	376	492	<2	0.54	<1
105J_1989_3067	0	6.4	15	80	44	0.11	26.0	43	7.4	<0.2	0.60	374	475	<2	0.65	<1
105J_1989_3068	0	6.3	13	114	112	0.12	29.2	48	7.0	<0.2	0.67	244	326	<2	0.54	<1
105J_1989_3069	0	2.4	5	49	46	0.08	21.4	40	6.2	<0.2	0.20	286	334	<2	0.63	1
105J_1989_3070	0	2.6	8	49	43	0.08	30.2	48	8.3	<0.2	0.22	433	498	<2	0.65	<1
105J_1989_3071	0	3.2	8	30	29	0.08	36.9	57	6.0	<0.2	0.31	213	287	<2	0.60	<1
105J_1989_3072	0	4.0	3	239	227	0.15	53.6	66	20.1	<0.2	0.33	334	360	<2	1.35	<1
105J_1989_3073	0	2.8	8	53	45	0.09	18.7	44	7.5	<0.2	0.58	424	541	4	3.27	3
105J_1989_3074	0	3.4	6	61	71	0.13	25.3	46	8.7	<0.2	0.55	384	479	5	4.13	4
105J_1989_3075	0	6.0	7	23	20	0.07	29.7	41	7.2	<0.2	0.62	545	708	<2	0.66	<1
105J_1989_3076	0	2.8	4	319	337	0.11	6.7	29	15.0	<0.2	0.25	3325	2618	<2	1.13	<1
105J_1989_3077	0	2.2	5	133	110	0.09	10.7	36	4.8	<0.2	0.35	353	419	3	2.52	3
105J_1989_3078	0	2.5	4	114	120	0.10	14.5	33	9.1	<0.2	0.31	614	652	4	4.11	4
105J_1989_3079	0	2.3	5	110	98	0.09	15.7	33	11.0	<0.2	0.31	164	176	<2	0.68	<1
105J_1989_3080	0	2.8	4	163	119	0.09	12.7	27	19.8	<0.2	0.31	3850	2875	<2	0.88	1
105J_1989_3082	0	3.7	4	152	150	0.12	17.5	40	10.6	<0.2	0.88	434	554	3	2.66	2
105J_1989_3083	0	3.0	3	213	244	0.13	15.9	30	13.8	<0.2	0.45	133	156	<2	1.40	1
105J_1989_3084	1	3.5	3	247	270	0.13	15.8	31	17.3	<0.2	0.60	228	259	<2	1.71	2

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_3049	0	0.022	1.40	5	7.2	0.063	16	14.62	120	0.05	1.9	1.39	2.7	6.5	19.0	0.7
105J_1989_3050	0	0.017	1.40	6	7.4	0.067	15	13.73	120	0.07	1.3	0.67	2.0	3.0	16.0	0.2
105J_1989_3051	0	0.031	1.30	4	5.5	0.065	14	11.38	120	0.03	1.0	0.66	1.8	6.2	16.0	0.5
105J_1989_3052	0	0.036	1.30	7	8.2	0.073	12	10.04	100	0.04	0.7	0.32	1.2	5.9	14.0	0.4
105J_1989_3053	0	0.037	1.20	8	8.5	0.073	12	11.04	120	0.05	0.8	0.42	1.5	6.4	15.0	0.8
105J_1989_3054	0	0.026	1.30	6	6.4	0.067	16	12.60	130	0.05	1.2	0.72	2.2	5.9	17.0	0.8
105J_1989_3055	0	0.022	1.50	8	9.6	0.060	14	11.05	130	0.03	1.0	0.56	2.0	5.0	17.0	0.2
105J_1989_3056	0	0.012	0.73	41	45.5	0.080	16	16.70	140	0.08	3.1	1.56	4.5	4.1	14.0	2.8
105J_1989_3057	0	0.009	0.84	47	49.0	0.097	19	17.21	150	0.06	3.0	1.46	3.9	4.1	16.0	2.1
105J_1989_3058	0	0.007	0.77	19	21.9	0.096	13	13.70	130	0.05	2.2	1.03	2.9	1.7	11.0	1.3
105J_1989_3059	0	0.010	0.78	22	21.3	0.073	12	10.75	96	0.04	1.0	0.59	1.8	1.7	10.0	1.0
105J_1989_3060	0	0.010	0.84	29	27.9	0.092	13	11.73	100	0.06	2.0	1.25	3.1	2.2	10.0	1.3
105J_1989_3062	0	0.016	0.81	20	20.5	0.078	13	12.14	100	0.04	1.5	1.09	2.4	3.4	11.0	1.0
105J_1989_3063	1	0.026	1.30	11	11.7	0.083	10	8.41	110	0.03	0.5	0.36	1.4	3.8	14.0	0.5
105J_1989_3064	2	0.028	1.10	11	12.1	0.085	12	8.53	100	0.04	0.6	0.37	1.3	4.0	12.0	0.5
105J_1989_3065	0	0.064	1.50	5	5.8	0.065	13	10.31	99	0.05	0.9	0.34	1.2	5.7	22.7	0.3
105J_1989_3067	0	0.063	1.40	6	6.8	0.065	13	10.10	95	0.04	0.6	0.35	1.1	5.5	21.3	0.6
105J_1989_3068	0	0.040	1.40	5	5.2	0.070	13	10.19	100	0.03	0.4	0.20	1.0	6.4	23.0	0.4
105J_1989_3069	0	0.015	1.50	7	8.2	0.061	14	13.04	110	0.02	1.2	0.58	1.9	1.8	9.3	0.9
105J_1989_3070	0	0.012	1.40	9	9.8	0.064	17	16.94	120	0.05	1.3	0.62	2.2	2.2	10.0	0.9
105J_1989_3071	0	0.011	1.60	7	7.9	0.070	20	19.20	130	0.03	2.0	1.17	3.5	2.3	12.0	0.5
105J_1989_3072	0	0.018	0.89	26	26.1	0.103	19	17.19	120	0.10	1.1	0.64	1.8	4.0	13.0	2.2
105J_1989_3073	0	0.007	0.76	38	38.6	0.120	18	16.57	99	0.05	2.4	1.52	3.6	2.1	11.0	1.9
105J_1989_3074	0	0.010	0.80	46	50.5	0.163	17	16.33	92	0.07	2.5	1.64	3.9	2.2	11.0	2.3
105J_1989_3075	0	0.010	1.00	6	5.9	0.082	21	20.42	230	0.02	1.2	0.43	3.0	4.7	16.0	0.4
105J_1989_3076	0	0.010	0.72	39	40.5	0.078	13	12.51	110	0.09	1.1	0.46	1.5	3.2	10.0	1.8
105J_1989_3077	0	0.005	0.48	32	32.8	0.128	16	15.78	81	0.08	2.1	1.44	3.5	2.3	8.5	1.8
105J_1989_3078	0	0.008	0.58	39	38.6	0.115	13	12.82	96	0.04	20.4	1.63	3.5	2.6	10.0	2.1
105J_1989_3079	0	0.014	0.89	17	15.5	0.088	10	8.57	88	0.06	0.7	0.63	1.5	2.3	7.7	1.1
105J_1989_3080	0	0.018	0.83	14	14.0	0.097	12	9.07	70	0.14	0.7	0.53	1.2	2.3	7.2	2.2
105J_1989_3082	0	0.006	0.53	45	47.7	0.226	14	12.14	91	0.10	1.7	1.33	2.6	2.9	11.0	1.8
105J_1989_3083	0	0.006	0.42	31	30.4	0.191	13	9.71	76	0.09	1.6	1.30	2.6	2.8	8.8	2.2
105J_1989_3084	1	0.008	0.50	36	35.9	0.182	13	12.45	84	0.13	1.1	0.83	1.8	3.8	10.0	2.1

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_3049	0	8.1	1	47.2	1.1	1.4	<0.02	4.4	13.0	0.030	0.13	3.0	5.6	5.2	42	51
105J_1989_3050	0	6.2	2	34.9	1.1	1.0	<0.02	1.5	13.0	0.020	0.11	2.4	5.3	4.7	36	36
105J_1989_3051	0	7.1	3	58.5	1.5	1.3	<0.02	5.1	14.0	0.026	0.09	2.7	5.8	5.5	37	39
105J_1989_3052	0	6.6	5	54.6	1.0	1.2	<0.02	3.1	11.0	0.037	0.11	3.4	6.1	5.6	61	50
105J_1989_3053	0	7.6	4	78.7	1.5	1.5	<0.02	4.4	13.0	0.032	0.10	2.6	5.8	4.8	58	40
105J_1989_3054	0	7.8	5	51.1	1.4	1.3	<0.02	4.5	15.0	0.027	0.10	2.7	5.8	5.0	29	38
105J_1989_3055	0	7.0	5	39.6	1.4	1.1	<0.02	5.4	14.0	0.038	0.08	1.7	4.9	3.9	45	41
105J_1989_3056	0	7.8	4	43.4	1.3	1.2	<0.02	3.4	13.0	0.009	0.35	2.6	5.9	5.2	43	53
105J_1989_3057	0	8.9	4	38.0	1.2	1.3	0.03	3.0	13.0	0.011	0.35	3.5	6.9	6.1	62	67
105J_1989_3058	0	7.4	4	38.2	1.2	1.0	<0.02	0.8	12.0	0.005	0.30	1.1	4.5	4.1	24	34
105J_1989_3059	0	6.3	3	30.5	1.1	0.8	<0.02	2.2	10.0	0.006	0.12	1.2	4.1	3.7	40	29
105J_1989_3060	0	6.5	3	43.3	1.2	1.0	0.02	2.1	10.0	0.013	0.14	1.7	4.4	3.8	32	33
105J_1989_3062	0	6.3	3	39.4	1.1	1.0	<0.02	4.0	11.0	0.021	0.13	1.6	4.2	3.8	37	35
105J_1989_3063	1	7.1	3	61.9	1.4	1.3	<0.02	4.4	12.0	0.062	0.09	1.6	4.9	4.2	25	32
105J_1989_3064	2	7.2	3	61.5	1.3	1.2	<0.02	4.3	13.0	0.063	0.10	1.7	5.1	4.3	25	34
105J_1989_3065	0	8.5	3	78.4	1.4	1.2	<0.02	4.0	13.0	0.089	0.10	2.2	5.4	4.2	49	44
105J_1989_3067	0	7.8	3	71.0	1.5	1.1	<0.02	4.4	12.0	0.085	0.09	2.0	5.0	4.4	45	44
105J_1989_3068	0	8.2	3	96.2	1.6	1.2	<0.02	5.1	13.0	0.065	0.09	2.7	5.8	5.1	51	46
105J_1989_3069	0	6.2	2	23.1	1.0	1.1	<0.02	3.1	12.0	0.011	0.11	1.6	4.7	4.2	30	19
105J_1989_3070	0	7.3	3	27.8	1.2	1.2	<0.02	4.7	15.0	0.006	0.12	3.4	6.8	6.5	21	19
105J_1989_3071	0	8.2	2	31.2	1.3	1.2	<0.02	6.3	16.0	0.013	0.08	1.9	5.1	4.4	30	22
105J_1989_3072	0	10.4	3	73.6	0.8	1.8	0.03	3.5	11.0	0.004	0.29	7.4	10.0	9.6	42	34
105J_1989_3073	0	6.9	2	39.0	1.1	1.2	0.03	2.0	11.0	0.009	0.23	1.8	5.7	5.1	36	43
105J_1989_3074	0	7.7	3	52.4	1.3	1.3	0.05	1.7	12.0	0.011	0.25	3.1	6.5	5.7	74	79
105J_1989_3075	0	7.5	4	21.5	2.2	1.3	<0.02	6.4	15.0	0.016	0.14	2.6	5.6	5.3	52	38
105J_1989_3076	0	5.9	3	67.8	1.0	0.8	0.03	1.8	10.0	0.005	0.21	1.4	4.1	3.8	32	29
105J_1989_3077	0	5.6	<1	57.0	1.0	0.9	0.04	3.1	9.1	0.007	0.14	1.7	5.1	4.3	52	42
105J_1989_3078	0	5.3	2	50.0	0.9	0.9	0.05	2.4	8.7	0.007	0.17	2.7	5.8	5.0	51	47
105J_1989_3079	0	4.7	3	60.1	0.8	0.8	<0.02	3.3	8.7	0.020	0.16	1.2	3.7	3.4	31	31
105J_1989_3080	0	4.0	3	71.7	0.8	0.6	0.02	2.5	8.0	0.018	0.14	1.5	3.4	3.5	35	31
105J_1989_3082	0	5.9	3	102.8	1.3	1.0	0.02	3.2	10.0	0.007	0.13	2.2	5.4	5.2	53	51
105J_1989_3083	0	4.3	3	89.9	1.2	0.8	0.02	2.8	7.2	0.005	0.15	3.0	6.0	5.6	52	69
105J_1989_3084	1	4.5	3	103.7	1.3	0.7	0.05	2.7	8.5	0.003	0.17	3.6	6.4	7.1	56	54

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_3049	0	0.2	1	34.13	5	74	76.7
105J_1989_3050	0	0.2	2	30.83	3	61	59.4
105J_1989_3051	0	<0.1	2	37.08	4	70	69.3
105J_1989_3052	0	<0.1	1	35.45	3	71	70.2
105J_1989_3053	0	<0.1	2	31.34	3	86	85.5
105J_1989_3054	0	0.2	3	35.89	4	71	70.0
105J_1989_3055	0	0.1	3	38.56	4	67	70.2
105J_1989_3056	0	0.1	2	29.46	3	300	346.9
105J_1989_3057	0	0.2	3	32.46	4	387	426.4
105J_1989_3058	0	0.2	2	32.24	4	113	124.3
105J_1989_3059	0	0.1	2	37.46	2	118	115.9
105J_1989_3060	0	0.1	2	39.72	3	185	193.2
105J_1989_3062	0	0.1	2	32.28	3	130	133.2
105J_1989_3063	1	0.2	1	35.94	3	79	80.7
105J_1989_3064	2	0.2	1	20.57	3	80	83.6
105J_1989_3065	0	0.2	2	35.28	4	69	71.1
105J_1989_3067	0	0.2	1	34.89	4	66	67.4
105J_1989_3068	0	0.2	2	40.33	4	66	65.8
105J_1989_3069	0	<0.1	<1	35.46	3	72	69.6
105J_1989_3070	0	<0.1	1	29.81	3	105	100.0
105J_1989_3071	0	0.1	1	42.87	4	69	73.2
105J_1989_3072	0	<0.1	<1	21.76	5	146	152.8
105J_1989_3073	0	<0.1	2	37.70	4	231	228.9
105J_1989_3074	0	0.1	2	33.35	4	358	396.0
105J_1989_3075	0	0.1	5	38.49	3	78	77.6
105J_1989_3076	0	<0.1	1	27.33	<2	151	151.2
105J_1989_3077	0	1.2	<1	44.33	3	278	299.4
105J_1989_3078	0	0.1	1	37.30	3	355	369.2
105J_1989_3079	0	0.1	<1	30.67	3	110	105.3
105J_1989_3080	0	<0.1	1	14.25	<2	130	125.2
105J_1989_3082	0	<0.1	1	33.93	3	291	320.6
105J_1989_3083	0	<0.1	<1	32.42	2	163	165.6
105J_1989_3084	1	<0.1	<1	13.52	2	209	206.4

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_3085	2	0.4	499	1.37	4	8.5	10.0	7			4	511.8	2900	0.18	6.6	1.07
105J_1989_3087	0	<0.2	200	0.76	4	9.4	12.0	<2			5	749.8	2100	0.08	15.0	1.38
105J_1989_3088	0	<0.2	323	0.94	5	9.3	12.0	4			2	482.5	3200	0.17	3.1	0.64
105J_1989_3089	0	0.2	459	0.76	18	48.5	51.5	4			5	921.2	2500	0.10	10.0	1.01
105J_1989_3090	0	0.5	890	0.90	9	13.7	19.0	7			6	1125.9	3800	0.17	4.4	0.78
105J_1989_3091	0	0.8	1326	0.72	17	24.0	31.0	9			4	1387.5	5400	0.17	2.5	0.81
105J_1989_3092	0	0.2	810	1.19	11	16.1	20.0	11			4	939.6	4200	0.18	8.4	0.49
105J_1989_3093	0	0.5	670	0.97	14	19.2	24.0	14	13	35.20	4	1005.9	7440	0.23	4.8	0.53
105J_1989_3094	0	0.8	902	0.97	14	20.7	25.0	18	14	30.62	3	983.6	6770	0.21	7.4	0.57
105J_1989_3095	0	0.3	752	0.92	12	18.7	27.0	15	14	28.33	3	872.9	5640	0.18	8.0	0.44
105J_1989_3096	0	1.0	1095	1.02	9	15.5	20.0	9			7	1821.7	5940	0.17	7.4	1.19
105J_1989_3097	0	0.8	1703	0.92	11	16.4	21.0	11			5	1888.2	6480	0.21	6.7	0.66
105J_1989_3098	0	<0.2	770	0.80	10	13.7	18.0	8			6	1761.7	5920	0.14	12.0	0.50
105J_1989_3099	0	1.1	1720	0.92	11	16.3	22.0	10			5	1408.7	5220	0.17	6.6	0.65
105J_1989_3100	0	0.8	1137	1.01	8	11.5	16.0	14	15	24.65	7	623.6	3600	0.17	22.0	0.76
105J_1989_3102	0	1.0	1312	0.85	12	17.7	22.0	13	15	24.55	3	683.1	2900	0.20	8.5	0.62
105J_1989_3103	1	0.6	1111	1.29	8	13.4	16.0	17	14	4.25	5	777.0	3400	0.21	7.7	0.69
105J_1989_3104	2	0.8	901	1.20	8	12.1	15.0	17	12	19.49	4	769.6	4000	0.18	6.6	0.64
105J_1989_3105	0	1.3	1670	1.34	8	12.1	15.0	15	16	14.46	5	557.0	2400	0.17	11.0	0.58
105J_1989_3106	0	0.2	535	1.09	10	14.8	18.0	14	13	29.32	4	647.7	2500	0.17	6.2	0.45
105J_1989_3107	0	0.2	437	1.17	7	10.0	13.0	13			4	362.6	2700	0.17	6.9	0.57
105J_1989_3108	0	<0.2	168	0.83	2	4.4	6.0	<2			2	139.5	1100	0.18	28.0	0.68
105J_1989_3109	0	<0.2	504	1.23	7	11.2	13.0	14	12	28.61	4	526.2	2500	0.18	5.2	0.52
105J_1989_3110	0	<0.2	382	0.96	8	10.5	14.0	13			5	534.1	3000	0.16	4.1	0.45
105J_1989_3111	0	0.3	508	0.90	13	20.1	24.0	17	14	34.71	4	672.9	3600	0.18	3.5	0.42
105J_1989_3112	0	0.2	558	0.95	7	11.1	15.0	14	12	25.58	4	539.3	3100	0.17	5.8	0.58
105J_1989_3113	0	<0.2	319	0.59	10	13.7	17.0	4			5	746.7	3900	0.13	0.6	1.10
105J_1989_3114	0	<0.2	400	0.82	3	5.2	6.7	9			6	282.2	1600	0.11	5.2	1.81
105J_1989_3115	0	0.8	903	0.57	5	9.8	13.0	4			6	358.0	1800	0.13	8.3	2.01
105J_1989_3116	0	<0.2	431	1.00	5	9.3	11.0	8			2	338.2	2800	0.17	3.2	0.54
105J_1989_3117	0	<0.2	205	0.76	7	9.5	13.0	30	9	30.01	4	326.4	2400	0.14	2.3	0.72
105J_1989_3118	0	<0.2	234	0.79	9	11.9	15.0	5			3	419.3	2400	0.14	4.1	0.78
105J_1989_3120	0	<0.2	229	0.88	10	17.9	20.0	8			3	475.4	2300	0.13	5.1	0.81

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_3085	2	1.4	1.85	61	10	10.2	11	23.5	64	5.0	61	59.54	<1	696	2.56	2.35	2.7
105J_1989_3087	0	0.2	1.22	35	7	6.4	9	10.9	31	2.7	22	21.67	<1	442	7.42	7.43	8.1
105J_1989_3088	0	0.7	1.19	75	9	9.4	11	15.5	78	5.8	39	40.54	1	740	2.02	2.15	2.7
105J_1989_3089	0	1.4	2.23	31	9	7.8	10	13.8	34	2.5	33	35.72	<1	421	5.96	5.79	7.0
105J_1989_3090	0	1.8	2.51	54	8	8.5	10	18.3	84	4.3	61	65.94	<1	583	2.57	2.44	3.2
105J_1989_3091	0	9.6	11.52	64	12	12.1	15	18.3	110	4.2	98	111.32	<1	775	2.01	2.19	2.7
105J_1989_3092	0	7.6	8.33	66	17	18.0	22	20.6	88	4.2	71	74.70	1	576	3.52	3.75	4.7
105J_1989_3093	0	3.7	4.88	61	13	14.5	18	19.5	100	5.0	84	95.32	2	559	2.95	3.20	4.2
105J_1989_3094	0	7.5	9.75	67	14	15.2	18	20.1	120	4.8	112	125.10	1	661	2.68	2.98	3.9
105J_1989_3095	0	5.9	5.26	62	16	15.1	19	19.2	120	5.5	82	79.98	2	675	3.00	2.87	4.1
105J_1989_3096	0	7.6	8.21	61	12	11.0	12	25.3	120	4.7	87	89.11	2	498	2.91	2.50	3.1
105J_1989_3097	0	15.5	17.07	63	11	12.8	15	29.1	110	4.2	85	89.18	<1	624	2.23	2.36	2.8
105J_1989_3098	0	6.6	7.61	56	10	8.8	11	20.3	80	3.7	66	69.21	1	557	2.02	2.11	2.3
105J_1989_3099	0	11.6	14.05	66	10	9.6	11	26.6	96	5.2	80	85.22	<1	588	1.89	2.05	2.6
105J_1989_3100	0	13.4	23.42	70	12	11.2	14	22.5	81	5.4	100	116.46	1	586	2.43	2.40	3.3
105J_1989_3102	0	7.8	9.72	55	9	8.8	10	21.9	110	4.5	86	95.08	<1	428	2.27	2.46	3.1
105J_1989_3103	1	8.1	9.77	45	12	12.9	13	24.9	110	5.3	109	125.10	<1	580	2.68	2.80	3.2
105J_1989_3104	2	6.0	8.52	53	11	13.0	13	22.0	86	5.1	98	117.16	1	639	2.57	2.69	3.5
105J_1989_3105	0	10.5	12.74	36	11	9.9	12	21.1	88	9.3	88	92.05	<1	537	2.55	2.36	3.3
105J_1989_3106	0	2.9	3.93	49	16	19.5	22	17.1	67	4.9	70	75.59	<1	510	2.77	2.94	3.6
105J_1989_3107	0	0.8	1.55	61	13	13.0	13	20.5	57	3.9	79	79.64	<1	593	2.92	3.08	3.6
105J_1989_3108	0	<0.2	0.68	83	10	7.8	8	10.6	45	4.0	21	22.80	<1	309	1.83	1.67	2.4
105J_1989_3109	0	2.2	3.20	49	16	18.0	16	19.8	59	4.5	144	161.96	<1	562	1.97	2.16	2.4
105J_1989_3110	0	1.8	2.83	57	14	13.9	17	17.7	77	4.7	68	71.88	<1	797	2.11	2.22	2.9
105J_1989_3111	0	2.0	2.97	48	14	14.6	16	19.1	85	5.9	67	80.45	<1	499	2.26	2.44	3.1
105J_1989_3112	0	1.5	2.24	55	10	10.9	14	18.4	100	5.6	61	64.67	<1	576	2.09	2.25	3.1
105J_1989_3113	0	1.6	2.22	65	7	8.0	10	13.3	72	2.7	47	50.85	<1	703	1.55	1.59	2.3
105J_1989_3114	0	5.2	5.56	39	11	11.4	12	14.0	59	3.6	74	77.34	<1	534	1.53	1.75	2.3
105J_1989_3115	0	5.7	6.75	27	22	23.7	24	10.3	46	4.6	60	62.10	<1	304	2.37	2.91	3.5
105J_1989_3116	0	0.3	1.61	72	11	13.3	14	18.4	75	4.2	42	78.68	<1	584	2.09	2.93	2.9
105J_1989_3117	0	0.3	1.15	83	9	9.5	11	12.5	60	3.0	27	27.45	<1	563	1.84	1.89	2.7
105J_1989_3118	0	0.4	1.38	83	11	10.7	11	12.8	66	3.3	24	28.28	<1	555	2.05	2.20	2.9
105J_1989_3120	0	0.6	1.23	59	11	11.4	12	13.8	71	3.6	27	27.56	<1	457	2.69	2.82	3.6

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_3085	2	3.7	3	247	265	0.14	17.1	30	17.6	<0.2	0.59	283	320	<2	1.86	<1
105J_1989_3087	0	2.0	3	103	112	0.08	8.9	22	28.7	<0.2	0.31	3225	2592	<2	2.18	1
105J_1989_3088	0	2.5	5	125	137	0.09	14.5	40	8.6	<0.2	0.38	205	277	3	1.88	2
105J_1989_3089	0	2.0	2	186	222	0.09	7.7	18	30.6	<0.2	0.24	1079	1166	11	14.65	15
105J_1989_3090	0	2.4	3	304	311	0.12	10.0	28	14.5	<0.2	0.28	855	948	6	5.00	6
105J_1989_3091	0	1.8	3	502	556	0.12	10.0	35	8.2	<0.2	0.28	681	891	22	21.56	25
105J_1989_3092	0	2.8	5	350	385	0.11	12.2	35	12.3	<0.2	0.30	3025	2837	8	7.96	8
105J_1989_3093	0	2.7	4	247	284	0.13	12.2	39	7.3	<0.2	0.33	638	904	6	6.93	7
105J_1989_3094	0	2.4	4	372	456	0.12	10.4	35	9.3	<0.2	0.29	1193	1727	6	6.43	8
105J_1989_3095	0	2.0	3	350	319	0.09	10.4	37	10.2	<0.2	0.23	501	563	7	6.11	6
105J_1989_3096	0	2.3	4	357	400	0.10	14.1	36	21.6	<0.2	0.31	905	893	9	10.50	11
105J_1989_3097	0	2.9	4	410	433	0.12	14.7	36	9.6	<0.2	0.32	655	812	11	10.29	11
105J_1989_3098	0	2.5	3	266	293	0.14	11.0	27	7.0	<0.2	0.29	695	864	8	7.66	8
105J_1989_3099	0	2.8	4	399	443	0.11	10.4	33	9.4	<0.2	0.24	646	888	8	8.34	10
105J_1989_3100	0	3.0	4	353	383	0.14	18.3	35	13.0	<0.2	0.49	476	553	9	8.65	11
105J_1989_3102	0	2.3	4	429	471	0.10	11.1	34	11.4	<0.2	0.28	355	492	12	12.91	16
105J_1989_3103	1	3.3	4	407	576	0.16	13.1	32	11.0	<0.2	0.40	658	836	6	6.14	7
105J_1989_3104	2	3.1	4	338	422	0.13	13.3	34	8.5	<0.2	0.38	670	920	5	5.20	6
105J_1989_3105	0	3.4	3	490	596	0.14	15.3	26	13.7	<0.2	0.48	1450	1497	6	5.76	7
105J_1989_3106	0	3.2	4	247	289	0.12	17.5	31	9.1	<0.2	0.49	7750	7247	5	5.58	6
105J_1989_3107	0	3.4	5	163	176	0.14	23.0	36	9.1	<0.2	0.55	435	541	4	3.40	4
105J_1989_3108	0	2.1	7	49	57	0.10	18.4	48	14.0	<0.2	0.22	353	349	<2	0.60	<1
105J_1989_3109	0	3.0	5	182	204	0.10	16.4	30	8.0	<0.2	0.35	2150	2199	4	3.36	4
105J_1989_3110	0	2.8	6	152	186	0.13	17.7	36	5.8	<0.2	0.34	1775	1900	4	3.76	5
105J_1989_3111	0	2.6	5	194	271	0.12	14.4	31	6.9	<0.2	0.31	1775	2025	5	4.76	6
105J_1989_3112	0	2.7	5	251	276	0.11	14.7	35	8.5	<0.2	0.38	803	1090	3	2.49	2
105J_1989_3113	0	1.8	5	125	135	0.11	13.5	38	3.5	<0.2	0.36	329	369	4	3.39	5
105J_1989_3114	0	2.5	3	144	154	0.10	13.7	27	32.8	<0.2	0.64	428	494	<2	1.94	3
105J_1989_3115	0	1.4	2	289	328	0.06	6.9	16	48.2	<0.2	0.27	1525	1413	<2	2.54	3
105J_1989_3116	0	3.1	5	137	182	0.11	19.1	45	8.4	<0.2	0.52	175	514	<2	3.21	2
105J_1989_3117	0	2.2	7	122	120	0.10	16.8	53	7.4	<0.2	0.34	299	352	<2	1.67	1
105J_1989_3118	0	2.3	7	125	121	0.11	16.7	48	8.2	<0.2	0.35	825	1012	<2	1.69	2
105J_1989_3120	0	2.6	5	115	129	0.11	15.1	40	11.2	<0.2	0.36	3075	2586	<2	1.19	<1

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_3085	2	0.009	0.49	36	35.6	0.177	15	12.83	89	0.12	1.3	0.79	1.7	3.9	10.0	2.3
105J_1989_3087	0	0.008	0.45	17	16.7	0.186	8	6.23	58	0.27	0.6	0.56	0.9	2.5	5.9	1.6
105J_1989_3088	0	0.006	0.39	27	29.1	0.214	13	12.75	95	0.11	1.8	1.46	3.1	3.3	11.0	1.5
105J_1989_3089	0	0.012	0.58	31	32.5	0.289	11	7.70	50	0.27	1.7	1.85	2.5	2.1	5.9	3.0
105J_1989_3090	0	0.007	0.44	53	54.3	0.233	14	13.16	88	0.12	3.1	2.72	5.0	2.8	8.8	7.2
105J_1989_3091	0	0.004	0.28	101	107.1	0.227	14	13.54	94	0.08	11.0	8.04	14.1	3.1	9.2	5.7
105J_1989_3092	0	0.006	0.47	149	155.4	0.202	14	14.32	87	0.11	3.4	2.85	4.7	3.0	10.0	3.7
105J_1989_3093	0	0.005	0.40	77	80.7	0.208	17	17.34	96	0.13	3.6	3.35	5.3	3.7	11.0	2.6
105J_1989_3094	0	0.005	0.34	110	123.6	0.251	17	18.29	86	0.14	3.9	3.10	5.4	3.4	10.0	3.5
105J_1989_3095	0	0.004	0.35	91	84.0	0.193	15	13.56	85	0.12	3.8	2.83	5.5	3.0	11.0	3.5
105J_1989_3096	0	0.007	0.55	109	106.5	0.180	14	11.60	82	0.15	7.0	4.93	7.7	4.0	11.0	4.6
105J_1989_3097	0	0.006	0.46	167	175.3	0.220	16	15.31	95	0.12	7.0	4.84	8.2	3.2	10.0	7.0
105J_1989_3098	0	0.006	0.30	102	102.4	0.167	11	11.50	80	0.12	5.0	3.36	6.1	2.4	6.9	3.2
105J_1989_3099	0	0.006	0.42	203	216.6	0.222	15	13.13	100	0.10	5.0	3.92	8.0	2.7	8.5	4.5
105J_1989_3100	0	0.007	0.50	152	164.7	0.189	16	15.55	95	0.14	5.0	4.43	7.4	2.5	9.3	4.3
105J_1989_3102	0	0.006	0.65	132	142.1	0.146	16	14.78	93	0.15	7.0	6.09	9.4	2.5	10.0	5.5
105J_1989_3103	1	0.006	0.39	81	92.9	0.207	15	14.98	94	0.13	3.7	2.69	4.5	3.3	10.0	3.4
105J_1989_3104	2	0.005	0.46	80	87.5	0.199	13	13.77	92	0.11	3.0	2.49	4.2	3.1	10.0	2.8
105J_1989_3105	0	0.006	0.45	150	154.1	0.158	14	11.31	110	0.09	3.8	2.59	4.5	2.6	10.0	4.9
105J_1989_3106	0	0.004	0.41	125	143.7	0.165	14	13.22	100	0.09	2.1	1.46	2.6	2.7	8.6	3.7
105J_1989_3107	0	0.005	0.38	44	44.4	0.155	15	14.01	95	0.08	1.7	1.28	2.4	3.4	10.0	2.1
105J_1989_3108	0	0.007	0.76	20	19.6	0.085	17	17.74	100	0.08	0.9	0.56	1.0	1.4	8.1	1.2
105J_1989_3109	0	0.004	0.40	137	154.7	0.166	27	27.96	80	0.06	2.1	1.38	2.6	3.3	8.0	1.7
105J_1989_3110	0	0.005	0.43	64	66.8	0.170	16	17.51	98	0.05	2.0	1.41	3.0	2.7	8.6	1.9
105J_1989_3111	0	0.004	0.33	71	76.5	0.162	14	13.82	88	0.07	2.7	2.14	3.8	2.7	8.7	2.5
105J_1989_3112	0	0.004	0.40	45	45.9	0.155	14	11.56	99	0.07	2.0	1.31	2.7	3.0	10.0	1.8
105J_1989_3113	0	0.003	0.32	32	33.1	0.266	12	12.22	84	0.14	2.7	2.31	4.0	2.1	7.6	1.9
105J_1989_3114	0	0.007	0.51	34	33.1	0.142	14	10.61	67	0.12	1.1	1.23	1.6	2.2	7.8	2.0
105J_1989_3115	0	0.006	0.36	63	65.3	0.132	11	9.80	59	0.61	1.8	2.20	2.4	2.4	7.6	12.4
105J_1989_3116	0	0.004	0.39	29	43.3	0.149	17	13.91	100	0.07	1.5	1.38	2.1	3.0	10.0	1.9
105J_1989_3117	0	0.004	0.41	23	23.6	0.214	12	11.32	89	0.05	1.3	0.92	1.8	2.0	8.6	0.9
105J_1989_3118	0	0.004	0.42	26	28.6	0.181	13	11.50	98	0.06	1.4	0.88	1.7	2.2	8.8	1.1
105J_1989_3120	0	0.005	0.40	23	24.5	0.151	13	11.23	91	0.09	1.3	0.72	1.4	2.2	8.4	1.0

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_3085	2	4.5	2	105.0	1.2	0.8	0.02	2.8	8.7	0.004	0.18	3.8	6.7	6.8	54	52
105J_1989_3087	0	3.2	2	144.5	0.7	<0.5	0.03	1.9	5.5	0.004	0.12	2.1	4.4	4.0	42	35
105J_1989_3088	0	5.4	2	77.5	1.3	0.8	0.04	3.6	10.0	0.003	0.14	2.5	6.2	5.7	41	42
105J_1989_3089	0	2.8	3	86.1	0.5	<0.5	0.04	1.3	4.2	0.006	0.14	4.1	5.5	5.4	62	70
105J_1989_3090	0	4.2	2	93.1	0.8	0.8	0.07	1.7	6.7	0.004	0.23	4.8	7.6	7.1	66	103
105J_1989_3091	0	5.4	<1	110.9	0.8	1.0	0.14	1.5	7.4	0.003	0.52	9.3	14.0	12.1	114	164
105J_1989_3092	0	5.8	3	75.5	1.1	1.0	0.06	1.6	7.4	0.005	0.35	10.6	14.0	13.2	83	107
105J_1989_3093	0	6.2	3	83.6	1.3	1.0	0.11	2.3	8.7	0.004	0.22	4.7	7.9	7.2	66	93
105J_1989_3094	0	6.1	2	104.3	1.0	1.3	0.10	1.5	7.5	0.004	0.24	5.4	8.8	8.4	84	100
105J_1989_3095	0	6.1	2	73.6	1.3	1.1	0.08	1.6	7.8	0.003	0.26	3.5	7.6	11.8	64	82
105J_1989_3096	0	6.0	3	111.1	1.1	1.3	0.10	1.5	7.4	0.004	0.51	8.1	11.0	12.2	80	119
105J_1989_3097	0	5.9	3	111.2	1.1	1.1	0.11	1.5	8.3	0.007	0.56	8.9	12.0	11.9	138	193
105J_1989_3098	0	4.8	2	79.8	0.9	0.8	0.07	1.4	6.8	0.006	0.33	6.9	11.0	10.2	87	128
105J_1989_3099	0	5.8	4	88.8	0.9	1.1	0.09	1.1	8.5	0.005	0.54	8.3	14.0	11.6	134	192
105J_1989_3100	0	5.9	2	130.7	1.0	1.2	0.08	1.5	8.6	0.006	0.49	9.4	13.0	11.9	135	129
105J_1989_3102	0	6.1	2	80.1	1.1	1.2	0.14	0.9	8.1	0.006	0.58	12.0	15.0	14.2	106	161
105J_1989_3103	1	5.8	2	88.1	1.1	1.2	0.11	1.4	7.9	0.005	0.32	3.6	6.4	6.3	67	90
105J_1989_3104	2	6.1	3	82.2	1.4	0.8	0.08	1.3	8.6	0.005	0.26	3.3	6.5	6.2	61	79
105J_1989_3105	0	4.8	3	88.5	1.0	1.1	0.07	1.3	7.2	0.005	0.39	18.2	20.3	20.0	91	93
105J_1989_3106	0	5.3	3	85.2	1.1	0.8	0.08	2.7	8.3	0.006	0.22	4.3	7.0	6.9	43	53
105J_1989_3107	0	5.9	2	65.6	1.9	1.1	0.06	3.0	9.0	0.005	0.16	2.8	6.4	6.4	35	49
105J_1989_3108	0	6.8	2	47.0	1.4	1.0	0.02	3.8	13.0	0.004	0.08	3.4	6.0	5.8	21	19
105J_1989_3109	0	5.5	2	54.4	1.2	0.9	0.05	1.8	8.5	0.006	0.20	3.0	5.8	5.5	42	58
105J_1989_3110	0	6.3	2	53.5	1.6	0.9	0.07	2.3	9.3	0.006	0.17	2.1	5.7	5.0	39	56
105J_1989_3111	0	5.2	<1	67.9	1.4	0.9	0.09	2.1	7.9	0.004	0.18	3.1	5.9	6.9	50	65
105J_1989_3112	0	5.5	<1	82.3	1.8	1.0	0.05	2.2	8.5	0.004	0.17	2.0	5.4	4.7	44	49
105J_1989_3113	0	6.1	3	92.5	1.1	0.9	0.05	3.0	8.6	0.005	0.15	2.4	5.3	4.3	50	65
105J_1989_3114	0	3.8	3	87.8	0.9	0.7	0.04	1.2	6.6	0.005	0.11	1.5	3.3	3.4	40	37
105J_1989_3115	0	2.3	2	176.4	0.6	<0.5	0.03	1.8	5.0	0.003	0.32	14.5	15.0	16.0	31	27
105J_1989_3116	0	6.0	2	62.0	1.3	0.9	0.07	2.8	11.0	0.005	0.14	2.7	5.2	4.8	28	41
105J_1989_3117	0	7.0	2	72.1	1.4	0.9	0.03	4.2	12.0	0.004	0.10	1.6	4.9	4.9	33	33
105J_1989_3118	0	6.6	2	75.9	1.4	0.8	0.03	4.5	12.0	0.004	0.12	1.6	4.7	4.6	32	33
105J_1989_3120	0	5.5	3	82.8	1.2	1.0	0.03	3.8	10.0	0.003	0.12	1.4	3.8	4.0	37	37

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_3085	2	<0.1	<1	20.82	3	203	201.4
105J_1989_3087	0	<0.1	<1	23.95	<2	116	115.9
105J_1989_3088	0	<0.1	2	32.55	2	146	170.0
105J_1989_3089	0	0.1	2	23.04	<2	193	194.0
105J_1989_3090	0	<0.1	2	30.55	2	253	260.5
105J_1989_3091	0	0.1	<1	40.88	4	875	885.7
105J_1989_3092	0	0.1	2	29.80	3	707	681.9
105J_1989_3093	0	<0.1	2	41.30	3	384	427.0
105J_1989_3094	0	<0.1	2	36.76	4	560	598.5
105J_1989_3095	0	<0.1	2	37.78	3	396	377.2
105J_1989_3096	0	<0.1	<1	27.26	3	863	772.2
105J_1989_3097	0	0.1	2	32.56	3	2090	2218.4
105J_1989_3098	0	0.1	2	30.02	2	952	950.0
105J_1989_3099	0	0.2	2	35.80	<2	2310	2624.3
105J_1989_3100	0	<0.1	2	29.83	3	1870	1979.7
105J_1989_3102	0	<0.1	2	32.89	3	1510	1679.0
105J_1989_3103	1	<0.1	<1	16.39	3	583	591.9
105J_1989_3104	2	<0.1	1	30.23	3	492	537.8
105J_1989_3105	0	<0.1	<1	24.01	3	1530	1578.9
105J_1989_3106	0	<0.1	2	34.04	3	367	403.9
105J_1989_3107	0	<0.1	<1	19.08	3	180	194.8
105J_1989_3108	0	<0.1	1	32.39	<2	79	85.9
105J_1989_3109	0	<0.1	<1	37.74	<2	395	445.3
105J_1989_3110	0	0.1	1	41.52	3	238	266.1
105J_1989_3111	0	<0.1	<1	36.74	3	266	299.0
105J_1989_3112	0	<0.1	1	38.59	3	176	191.1
105J_1989_3113	0	<0.1	<1	49.00	3	162	183.7
105J_1989_3114	0	<0.1	<1	15.38	<2	209	205.2
105J_1989_3115	0	<0.1	<1	22.66	<2	277	289.3
105J_1989_3116	0	<0.1	<1	36.16	3	144	189.7
105J_1989_3117	0	<0.1	2	35.36	<2	126	129.4
105J_1989_3118	0	<0.1	2	37.01	2	132	143.6
105J_1989_3120	0	0.8	2	30.63	<2	128	136.9

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_3122	1	<0.2	465	1.12	3	8.0	10.0	7			3	469.3	2100	0.14	4.2	0.85
105J_1989_3123	2	0.5	464	1.12	4	9.7	12.0	7			4	480.5	2300	0.15	4.7	0.85
105J_1989_3124	0	<0.2	310	0.84	7	13.6	17.0	4			2	1078.6	3500	0.17	2.9	0.72
105J_1989_3125	0	<0.2	226	0.88	3	6.7	8.9	4			1	308.9	1600	0.16	2.6	0.57
105J_1989_3126	0	<0.2	160	0.81	3	5.3	7.0	4			1	289.1	1400	0.12	2.3	0.53
105J_1989_3127	0	<0.2	190	0.87	7	13.4	17.0	5			1	360.8	1500	0.19	3.6	0.59
105J_1989_3128	0	<0.2	105	0.85	9	18.8	22.0	11			<1	106.5	800	0.25	7.6	0.59
105J_1989_3129	0	<0.2	232	0.97	1	3.9	4.2	<2			<1	312.9	680	0.13	13.0	0.73
105J_1989_3130	0	0.2	383	0.86	3	7.3	10.0	3			1	444.8	2100	0.17	12.0	0.90
105J_1989_3131	0	0.4	490	0.83	6	8.8	11.0	10			2	583.9	2500	0.15	6.2	0.53
105J_1989_3133	0	0.3	502	1.18	8	13.8	18.0	14	13	30.31	3	467.1	2100	0.17	10.0	0.53
105J_1989_3134	0	0.3	553	0.99	8	12.5	15.0	11			5	796.8	2600	0.18	8.2	0.48
105J_1989_3135	0	0.2	473	0.88	7	11.6	16.0	11			5	1023.6	3700	0.16	10.0	0.52
105J_1989_3136	0	0.4	568	1.11	4	7.9	9.2	9			2	746.7	2500	0.17	11.0	0.60
105J_1989_3137	0	0.3	563	1.25	2	5.8	6.6	7			2	273.7	950	0.26	19.0	1.28
105J_1989_3138	0	<0.2	70	1.00	4	6.3	9.2	<2			<1	121.1	920	0.20	3.9	0.28
105J_1989_3139	0	<0.2	117	1.26	3	5.1	8.1	4			<1	236.4	1100	0.27	4.2	0.31
105J_1989_3140	0	0.4	291	0.82	5	8.1	11.0	4			<1	396.6	1700	0.22	8.8	0.68
105J_1989_3143	1	0.2	92	0.76	12	17.9	20.0	9			<1	61.1	650	0.27	5.9	0.30
105J_1989_3144	2	<0.2	67	0.81	11	19.0	24.0	9			<1	63.8	710	0.26	3.7	0.30
105J_1989_3145	0	0.2	145	1.14	3	5.8	10.0	<2			<1	150.0	1000	0.24	5.2	0.19
105J_1989_3146	0	0.5	406	1.00	7	11.5	15.0	7			2	442.4	2200	0.16	5.3	0.54
105J_1989_3147	0	<0.2	136	1.07	3	5.7	7.7	<2			1	206.7	1200	0.17	6.2	0.58
105J_1989_3148	0	0.2	190	1.37	8	13.8	17.0	5			2	286.2	1800	0.13	4.9	0.90
105J_1989_3149	0	<0.2	186	1.71	6	9.0	11.0	14	6	28.97	1	416.8	1900	0.14	3.0	1.31
105J_1989_3150	0	<0.2	173	1.10	6	7.9	11.0	9			<1	369.1	2300	0.13	2.9	2.93
105J_1989_3151	0	0.2	461	0.89	14	26.7	31.0	7			1	349.4	1800	0.19	4.5	0.97
105J_1989_3152	0	0.2	312	0.79	8	12.0	15.0	7			1	1102.2	3400	0.22	4.4	0.84
105J_1989_3153	0	<0.2	217	0.87	6	9.6	12.0	6			2	410.2	1900	0.15	1.6	0.70
105J_1989_3154	0	<0.2	134	0.80	3	5.0	6.6	11			1	332.6	1500	0.10	2.0	0.62
105J_1989_3155	0	0.3	269	0.89	5	9.1	11.0	8			2	414.4	1800	0.16	2.5	0.88
105J_1989_3156	0	<0.2	246	1.14	3	5.4	7.6	7			2	479.4	2100	0.14	6.3	0.96
105J_1989_3157	0	<0.2	225	0.82	3	4.4	6.6	6			1	277.2	1600	0.14	3.2	0.59

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_3122	1	2.2	2.30	46	11	8.7	12	18.2	41	3.8	49	49.03	1	744	2.55	2.30	2.7
105J_1989_3123	2	2.2	2.29	52	9	9.2	11	18.4	67	4.0	52	49.54	1	663	2.99	2.60	3.2
105J_1989_3124	0	1.5	1.74	79	11	10.5	15	14.4	63	4.3	32	34.04	1	543	2.41	2.49	3.5
105J_1989_3125	0	0.6	1.00	81	9	8.4	15	12.7	55	3.6	29	27.83	1	516	2.11	1.92	2.5
105J_1989_3126	0	0.4	0.80	100	7	6.2	11	26.9	50	3.4	18	22.90	1	460	1.83	1.64	2.2
105J_1989_3127	0	1.0	1.21	90	10	10.4	14	13.1	60	4.0	30	31.90	2	484	2.10	2.07	2.8
105J_1989_3128	0	0.3	0.45	98	9	10.4	13	11.1	54	4.8	23	23.20	1	378	2.70	2.42	3.2
105J_1989_3129	0	0.7	1.28	40	8	9.7	14	6.7	<20	2.1	12	12.08	<1	266	4.72	4.76	5.4
105J_1989_3130	0	1.6	1.84	49	10	9.5	15	11.7	54	4.8	36	34.05	1	390	2.97	2.60	3.5
105J_1989_3131	0	2.2	2.13	48	8	8.2	12	16.7	70	4.0	54	59.28	1	628	1.96	1.96	2.5
105J_1989_3133	0	1.3	1.44	36	12	13.0	20	19.4	55	5.2	72	82.08	1	736	3.66	4.22	4.9
105J_1989_3134	0	4.3	4.07	46	11	11.8	17	18.4	71	6.0	66	69.58	1	631	2.49	2.41	3.2
105J_1989_3135	0	5.2	5.00	45	12	13.3	18	18.1	76	4.7	62	66.21	<1	604	2.39	2.33	3.2
105J_1989_3136	0	2.4	2.78	54	11	10.4	15	22.1	76	6.2	52	54.74	2	650	2.36	2.31	3.1
105J_1989_3137	0	0.5	0.79	32	7	7.2	8	11.3	51	12.0	50	50.08	1	373	1.82	1.73	2.4
105J_1989_3138	0	<0.2	0.39	100	10	11.7	18	16.0	70	3.8	22	22.28	1	348	2.21	2.38	3.5
105J_1989_3139	0	<0.2	0.38	92	14	14.6	21	19.2	69	6.2	40	41.63	2	375	2.44	2.57	4.0
105J_1989_3140	0	1.1	1.54	77	13	13.3	19	11.8	52	5.2	41	40.84	1	540	2.65	2.52	3.5
105J_1989_3143	1	<0.2	0.20	100	8	9.0	12	9.1	46	3.9	18	17.52	<1	373	2.48	2.36	2.5
105J_1989_3144	2	<0.2	0.14	99	8	7.2	12	9.1	53	4.1	18	17.11	2	349	2.41	2.24	2.7
105J_1989_3145	0	<0.2	0.14	100	12	11.0	19	14.9	63	6.3	26	26.55	2	343	2.33	2.42	3.8
105J_1989_3146	0	2.4	2.68	68	8	9.9	13	19.0	60	3.6	38	37.93	<1	510	2.44	2.32	3.1
105J_1989_3147	0	<0.2	0.52	87	10	9.9	13	15.5	52	3.9	25	25.86	<1	419	2.28	2.22	2.8
105J_1989_3148	0	0.3	0.84	70	8	9.3	14	20.5	58	3.9	27	29.70	<1	643	2.45	2.43	3.4
105J_1989_3149	0	0.3	0.87	77	8	10.0	17	29.2	58	3.6	36	36.43	1	636	2.38	2.07	2.9
105J_1989_3150	0	0.9	1.39	70	8	8.9	14	18.3	74	4.9	42	42.02	2	724	2.53	2.35	3.5
105J_1989_3151	0	1.5	1.77	57	9	9.8	12	12.4	55	5.1	39	39.25	<1	591	2.48	2.18	3.0
105J_1989_3152	0	1.1	1.53	84	10	9.1	13	14.0	59	4.0	42	44.05	<1	708	2.14	2.11	2.9
105J_1989_3153	0	0.3	0.84	51	9	8.7	12	14.8	47	3.3	39	41.10	<1	674	2.06	1.99	2.6
105J_1989_3154	0	<0.2	0.55	85	8	6.9	11	12.7	43	2.9	25	24.05	2	657	1.63	1.56	2.2
105J_1989_3155	0	0.5	0.88	49	8	9.9	12	14.8	50	3.8	42	44.63	1	861	2.21	2.30	2.6
105J_1989_3156	0	0.8	1.10	57	12	10.2	14	17.4	58	3.9	39	38.32	1	760	2.29	2.17	2.5
105J_1989_3157	0	0.3	0.81	65	5	6.0	9	12.4	55	3.3	38	38.94	1	552	1.57	1.29	1.9

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_3122	1	3.1	3	189	225	0.12	16.2	36	15.1	<0.2	0.57	378	381	<2	0.80	2
105J_1989_3123	2	3.0	4	189	218	0.13	16.3	40	15.6	<0.2	0.56	532	540	<2	0.83	2
105J_1989_3124	0	2.4	5	119	128	0.10	17.5	59	8.6	<0.2	0.31	869	1032	2	1.87	3
105J_1989_3125	0	2.5	6	91	90	0.09	14.4	58	7.7	<0.2	0.28	271	284	<2	0.76	2
105J_1989_3126	0	2.2	8	70	66	0.09	18.5	72	6.7	<0.2	0.25	234	264	<2	1.19	2
105J_1989_3127	0	2.4	7	77	83	0.10	17.3	65	8.0	<0.2	0.28	918	1039	<2	1.34	3
105J_1989_3128	0	2.2	7	56	57	0.07	14.0	67	10.8	<0.2	0.27	462	447	<2	0.45	2
105J_1989_3129	0	2.5	3	110	116	0.06	11.0	29	26.8	<0.2	0.15	4543	3383	<2	0.66	2
105J_1989_3130	0	2.1	4	150	166	0.09	8.8	34	17.6	<0.2	0.24	1296	1267	<2	1.45	3
105J_1989_3131	0	2.5	4	157	180	0.11	13.9	37	7.8	<0.2	0.36	376	421	2	2.70	4
105J_1989_3133	0	3.6	4	193	255	0.13	17.5	35	11.3	<0.2	0.60	1197	1614	5	5.06	6
105J_1989_3134	0	3.0	4	193	228	0.15	15.2	37	8.6	<0.2	0.44	1082	1267	2	4.03	5
105J_1989_3135	0	2.8	3	193	235	0.14	12.0	35	8.0	<0.2	0.38	1246	1443	3	4.84	7
105J_1989_3136	0	3.2	4	193	222	0.14	17.5	40	11.6	<0.2	0.42	484	558	2	2.58	5
105J_1989_3137	0	2.6	2	163	180	0.17	19.7	28	31.4	<0.2	0.19	397	344	<2	0.73	3
105J_1989_3138	0	2.7	10	42	27	0.07	24.4	75	3.8	<0.2	0.42	500	580	<2	0.56	2
105J_1989_3139	0	3.6	7	49	35	0.08	16.4	62	9.6	<0.2	0.52	779	840	<2	1.01	3
105J_1989_3140	0	2.2	5	98	125	0.09	11.7	53	12.8	<0.2	0.25	1263	1335	<2	1.41	3
105J_1989_3143	1	1.8	10	49	53	0.06	16.2	71	6.2	<0.2	0.23	166	200	<2	0.31	1
105J_1989_3144	2	2.0	9	42	42	0.08	18.4	72	7.0	<0.2	0.23	102	122	<2	0.29	<1
105J_1989_3145	0	2.7	9	63	65	0.05	13.8	72	7.8	<0.2	0.39	461	523	<2	0.77	3
105J_1989_3146	0	3.0	6	142	174	0.10	17.5	53	7.7	<0.2	0.53	1082	1249	2	3.49	5
105J_1989_3147	0	3.0	8	63	71	0.09	17.3	62	11.7	<0.2	0.51	416	448	<2	0.86	2
105J_1989_3148	0	3.9	5	63	61	0.10	18.0	49	11.5	<0.2	0.94	467	573	<2	0.53	2
105J_1989_3149	0	5.1	4	59	65	0.20	13.3	60	13.4	<0.2	1.08	344	394	<2	0.66	2
105J_1989_3150	0	3.0	4	70	87	0.08	18.3	54	6.6	<0.2	0.95	218	237	2	1.72	3
105J_1989_3151	0	2.3	4	98	115	0.10	12.9	40	16.4	<0.2	0.27	335	319	<2	1.03	3
105J_1989_3152	0	2.2	5	98	103	0.10	16.0	60	8.4	<0.2	0.32	262	312	2	3.02	4
105J_1989_3153	0	2.5	5	101	115	0.12	16.3	41	6.6	<0.2	0.40	216	273	2	2.33	3
105J_1989_3154	0	2.4	8	109	107	0.11	15.3	59	6.3	<0.2	0.41	187	227	<2	1.24	3
105J_1989_3155	0	2.5	4	198	200	0.13	18.3	40	7.4	<0.2	0.49	325	386	3	2.63	3
105J_1989_3156	0	3.2	5	187	188	0.14	19.6	46	14.8	<0.2	0.74	480	522	2	1.25	2
105J_1989_3157	0	2.3	5	137	129	0.09	14.4	44	13.3	<0.2	0.33	126	123	<2	0.93	2

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_3122	1	0.007	0.44	31	29.8	0.191	13	12.34	70	0.22	1.1	1.09	1.7	3.2	9.3	2.4
105J_1989_3123	2	0.007	0.50	30	30.1	0.195	15	12.24	69	0.19	1.3	1.03	1.9	3.2	11.0	2.3
105J_1989_3124	0	0.005	0.45	31	33.1	0.204	18	16.12	77	0.07	1.7	1.39	2.6	2.2	11.0	1.7
105J_1989_3125	0	0.005	0.73	24	24.3	0.130	16	14.37	78	0.05	0.9	0.71	1.5	1.9	10.0	0.8
105J_1989_3126	0	0.006	0.74	18	19.0	0.128	14	17.99	70	0.05	0.6	0.46	1.0	1.6	9.2	0.6
105J_1989_3127	0	0.006	0.78	27	27.4	0.127	20	19.04	83	0.05	1.3	1.11	2.1	2.0	10.0	1.0
105J_1989_3128	0	0.008	1.00	25	25.0	0.062	23	21.84	100	0.06	1.7	1.52	2.7	2.0	12.0	0.9
105J_1989_3129	0	0.019	1.10	10	11.4	0.105	14	10.97	43	0.15	0.2	0.26	0.4	1.6	7.4	0.6
105J_1989_3130	0	0.006	0.37	28	26.0	0.161	16	12.11	78	0.11	0.8	0.87	1.5	2.2	10.0	1.8
105J_1989_3131	0	0.004	0.44	42	43.3	0.172	12	10.72	69	0.06	1.7	1.56	2.6	2.3	9.3	1.7
105J_1989_3133	0	0.005	0.37	53	55.9	0.190	15	14.51	77	0.09	1.7	1.70	2.9	2.7	10.0	3.8
105J_1989_3134	0	0.005	0.42	71	69.2	0.159	15	13.15	74	0.07	2.6	2.08	3.4	2.7	11.0	2.1
105J_1989_3135	0	0.004	0.35	109	107.3	0.170	14	12.29	74	0.08	2.1	2.28	3.7	2.6	10.0	2.9
105J_1989_3136	0	0.006	0.55	58	57.2	0.176	14	11.41	69	0.08	1.5	1.54	2.6	3.2	13.0	2.6
105J_1989_3137	0	0.020	0.74	31	30.6	0.087	23	23.21	95	0.42	0.6	0.86	1.2	3.4	12.0	2.0
105J_1989_3138	0	0.005	0.87	22	24.4	0.071	18	17.15	85	0.03	0.7	0.59	1.3	1.6	13.0	0.4
105J_1989_3139	0	0.008	0.89	27	29.0	0.090	21	22.25	95	0.04	0.6	0.46	1.1	1.9	15.0	0.3
105J_1989_3140	0	0.007	0.70	29	28.4	0.116	20	18.21	89	0.12	0.9	0.78	1.5	2.2	12.0	1.6
105J_1989_3143	1	0.004	0.45	20	20.0	0.051	24	24.44	87	0.03	2.0	1.71	3.5	2.1	9.1	0.4
105J_1989_3144	2	0.006	0.49	18	17.5	0.052	26	24.24	97	0.03	1.8	1.29	3.5	1.9	10.0	0.4
105J_1989_3145	0	0.006	0.90	22	23.4	0.086	21	20.34	92	0.04	0.5	0.42	1.2	1.8	15.0	0.3
105J_1989_3146	0	0.005	0.68	43	43.5	0.148	15	13.18	66	0.07	1.4	1.54	2.8	2.1	10.0	2.0
105J_1989_3147	0	0.008	0.84	22	24.4	0.089	15	13.69	73	0.07	0.5	0.59	1.1	1.9	11.0	1.0
105J_1989_3148	0	0.010	1.00	22	24.3	0.117	13	12.20	71	0.09	0.6	0.57	1.1	2.3	11.0	2.2
105J_1989_3149	0	0.062	1.10	29	26.4	0.116	14	13.48	63	0.09	0.7	0.91	1.4	3.0	12.0	1.3
105J_1989_3150	0	0.005	0.78	33	30.9	0.141	15	14.24	79	0.06	1.0	1.25	2.1	2.6	12.0	1.1
105J_1989_3151	0	0.008	0.59	36	35.3	0.150	23	22.56	72	0.16	2.0	2.16	3.5	2.1	10.0	3.8
105J_1989_3152	0	0.005	0.49	36	36.0	0.186	19	18.80	77	0.08	1.9	2.13	3.3	2.1	11.0	1.7
105J_1989_3153	0	0.006	0.44	26	25.7	0.191	12	11.21	64	0.06	1.3	1.36	2.3	2.4	9.0	1.3
105J_1989_3154	0	0.004	0.49	21	19.5	0.157	9	7.85	66	0.05	0.6	0.60	1.2	2.0	9.0	0.7
105J_1989_3155	0	0.004	0.38	29	32.0	0.199	12	12.84	72	0.09	1.3	1.16	2.0	2.9	9.2	1.5
105J_1989_3156	0	0.006	0.47	25	24.8	0.166	13	11.61	77	0.12	0.8	0.83	1.4	3.0	10.0	1.7
105J_1989_3157	0	0.007	0.57	20	19.6	0.105	12	11.30	69	0.15	0.8	0.90	1.6	2.1	10.0	2.4

Unique ID	Rep Stat	Sm INAA ppm 0.1	Sn AAS ppm 1	Sr ICP-MS ppm 0.5	Ta INAA ppm 0.5	Tb INAA ppm 0.5	Te ICP-MS ppm 0.02	Th ICP-MS ppm 0.1	Th INAA ppm 0.2	Ti ICP-MS % 0.001	Tl ICP-MS ppm 0.02	U ICP-MS ppm 0.1	U INAA ppm 0.2	U NADNC ppm 0.5	V AAS ppm 5	V ICP-MS ppm 2
105J_1989_3122	1	4.3	7	69.9	1.0	0.7	0.04	3.9	9.0	0.003	0.16	2.2	5.2	4.7	52	56
105J_1989_3123	2	4.6	5	69.5	0.9	1.0	0.02	4.0	9.2	0.003	0.16	2.2	5.2	5.0	56	57
105J_1989_3124	0	6.6	4	78.9	1.1	0.9	<0.02	4.9	11.0	0.004	0.15	2.2	5.3	4.8	57	58
105J_1989_3125	0	6.3	2	59.1	1.1	0.9	0.02	4.5	12.0	0.003	0.10	2.0	5.1	4.8	40	36
105J_1989_3126	0	7.6	4	56.8	1.1	0.9	0.03	5.3	13.0	0.004	0.10	1.9	5.1	4.8	35	32
105J_1989_3127	0	7.2	8	57.6	1.2	1.1	0.04	4.7	14.0	0.004	0.10	1.9	5.3	4.6	35	32
105J_1989_3128	0	7.2	4	45.5	1.3	1.1	0.03	4.8	16.0	0.002	0.05	1.3	4.3	4.2	20	14
105J_1989_3129	0	3.9	5	63.9	<0.5	0.8	<0.02	2.1	7.5	0.006	0.09	1.9	3.0	3.3	14	13
105J_1989_3130	0	4.3	9	94.0	0.9	0.7	0.05	2.0	7.9	0.003	0.15	1.7	4.3	4.3	42	38
105J_1989_3131	0	4.6	4	71.8	1.2	0.8	0.07	2.0	7.9	0.006	0.15	2.4	5.5	5.3	53	53
105J_1989_3133	0	5.0	5	92.6	1.1	0.9	0.07	2.4	8.6	0.006	0.18	3.2	6.8	5.9	61	64
105J_1989_3134	0	4.7	4	77.4	1.1	0.9	0.08	2.0	7.6	0.007	0.22	4.4	7.9	6.5	61	63
105J_1989_3135	0	4.4	4	69.1	1.0	1.0	0.09	2.2	7.3	0.006	0.27	2.8	6.0	7.7	72	76
105J_1989_3136	0	4.8	4	92.1	1.1	1.0	0.07	1.7	8.1	0.007	0.20	3.6	6.9	6.7	55	55
105J_1989_3137	0	5.0	10	70.9	0.7	1.3	0.03	3.7	10.0	0.004	0.15	6.5	7.4	8.1	23	21
105J_1989_3138	0	8.2	2	26.9	1.4	1.3	<0.02	6.6	17.0	0.005	0.05	1.2	4.9	4.4	22	20
105J_1989_3139	0	7.5	3	74.6	1.4	1.2	0.02	4.1	15.0	0.005	0.07	2.1	5.3	5.5	28	24
105J_1989_3140	0	6.0	3	63.1	1.0	1.1	0.04	3.7	12.0	0.003	0.12	2.1	5.0	4.7	32	25
105J_1989_3143	1	8.9	<1	24.5	1.4	1.2	0.02	5.9	20.1	0.002	0.05	1.3	4.8	4.8	17	9
105J_1989_3144	2	9.2	<1	24.6	1.4	1.2	0.03	5.7	20.8	0.002	0.05	1.6	5.6	5.2	17	10
105J_1989_3145	0	10.0	<1	26.1	1.4	1.6	<0.02	3.0	18.0	0.004	0.07	1.5	5.2	4.6	24	21
105J_1989_3146	0	6.1	4	59.5	1.2	1.0	0.03	3.8	11.0	0.006	0.16	2.7	5.9	5.0	55	58
105J_1989_3147	0	6.9	3	50.8	1.2	1.0	0.02	4.4	13.0	0.005	0.07	2.1	5.2	4.9	24	23
105J_1989_3148	0	5.2	4	63.5	1.0	0.9	0.03	4.1	10.0	0.008	0.09	1.1	3.9	3.8	34	31
105J_1989_3149	0	6.1	7	112.8	1.0	0.9	0.03	4.1	10.0	0.051	0.15	1.3	3.9	4.0	54	47
105J_1989_3150	0	5.6	20	125.3	1.2	1.0	0.05	4.2	11.0	0.004	0.07	1.4	4.4	3.8	39	29
105J_1989_3151	0	4.5	6	117.8	1.1	0.8	0.06	3.4	9.2	0.003	0.13	1.6	4.2	4.3	39	36
105J_1989_3152	0	6.9	5	93.3	1.1	0.9	0.05	4.5	12.0	0.004	0.14	2.2	5.5	5.1	57	55
105J_1989_3153	0	4.9	3	63.7	1.1	0.8	0.05	3.7	9.0	0.004	0.10	1.7	4.6	4.4	42	41
105J_1989_3154	0	7.3	4	47.6	1.3	1.0	0.03	3.5	11.0	0.004	0.09	1.1	4.9	4.2	36	30
105J_1989_3155	0	5.2	2	67.8	1.3	1.0	0.05	3.9	9.2	0.004	0.13	1.6	5.0	4.6	35	37
105J_1989_3156	0	5.7	8	65.0	1.2	1.0	0.02	4.2	11.0	0.005	0.12	1.3	4.7	4.6	32	34
105J_1989_3157	0	4.8	2	46.3	1.3	0.8	0.03	3.5	10.0	0.003	0.10	2.8	5.8	5.7	30	28

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_3122	1	<0.1	<1	16.15	<2	195	197.2
105J_1989_3123	2	<0.1	1	29.07	2	194	195.0
105J_1989_3124	0	0.1	1	34.65	3	205	215.4
105J_1989_3125	0	<0.1	1	37.45	2	129	126.1
105J_1989_3126	0	<0.1	2	32.49	<2	106	106.0
105J_1989_3127	0	<0.1	1	35.54	3	141	149.1
105J_1989_3128	0	<0.1	2	30.74	3	106	109.4
105J_1989_3129	0	<0.1	<1	21.51	2	71	73.7
105J_1989_3130	0	<0.1	<1	26.84	2	185	172.1
105J_1989_3131	0	<0.1	2	39.04	3	207	216.4
105J_1989_3133	0	<0.1	<1	32.95	2	177	178.9
105J_1989_3134	0	<0.1	<1	36.05	3	295	297.9
105J_1989_3135	0	<0.1	1	35.62	3	415	408.0
105J_1989_3136	0	<0.1	1	30.10	2	255	246.3
105J_1989_3137	0	<0.1	<1	15.03	3	106	108.1
105J_1989_3138	0	<0.1	2	39.70	4	75	85.9
105J_1989_3139	0	<0.1	2	32.62	3	100	105.7
105J_1989_3140	0	<0.1	1	28.91	2	136	140.7
105J_1989_3143	1	<0.1	<1	18.95	3	71	78.1
105J_1989_3144	2	<0.1	2	31.68	3	62	66.1
105J_1989_3145	0	0.2	2	35.24	4	88	92.7
105J_1989_3146	0	<0.1	1	39.51	2	295	291.4
105J_1989_3147	0	<0.1	1	29.34	3	88	99.3
105J_1989_3148	0	<0.1	<1	33.75	2	109	122.3
105J_1989_3149	0	<0.1	<1	33.84	2	108	106.5
105J_1989_3150	0	<0.1	1	45.32	3	167	153.7
105J_1989_3151	0	<0.1	<1	30.72	2	190	199.2
105J_1989_3152	0	0.8	2	36.82	3	240	239.3
105J_1989_3153	0	<0.1	<1	37.07	2	114	122.6
105J_1989_3154	0	<0.1	1	45.70	2	101	102.3
105J_1989_3155	0	<0.1	1	43.65	<2	137	143.8
105J_1989_3156	0	<0.1	<1	30.43	<2	150	144.8
105J_1989_3157	0	<0.1	1	25.14	2	88	83.1

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_3158	0	<0.2	204	1.10	5	11.4	14.0	5			3	389.7	1700	0.14	4.4	0.94
105J_1989_3159	0	0.3	269	0.97	2	3.0	5.1	6			7	334.6	1400	0.09	8.1	1.63
105J_1989_3160	0	0.4	307	1.13	5	8.3	11.0	5			6	629.8	2300	0.14	7.6	0.79
105J_1989_3162	0	<0.2	392	1.35	7	13.4	16.0	10			6	436.4	1900	0.16	5.0	0.59
105J_1989_3163	1	0.7	412	1.44	7	13.4	16.0	10			7	648.7	2100	0.19	4.1	0.60
105J_1989_3164	2	0.4	420	1.44	7	13.4	17.0	10			6	597.3	2100	0.19	4.5	0.59
105J_1989_3165	0	0.6	320	1.19	4	7.0	8.9	10			7	467.0	2000	0.13	2.8	0.59
105J_1989_3166	0	0.5	452	1.32	8	12.6	15.0	10			6	509.7	2000	0.16	3.7	0.61
105J_1989_3167	0	<0.2	325	1.42	7	11.3	15.0	8			7	340.4	1800	0.16	4.5	0.78
105J_1989_3168	0	0.5	472	1.44	12	19.6	25.0	11			7	386.6	2000	0.30	4.9	0.73
105J_1989_3169	0	0.5	799	1.60	30	50.3	58.4	7			5	327.0	1800	0.97	4.5	0.64
105J_1989_3170	0	<0.2	250	3.01	40	65.9	72.9	<2			2	244.9	1400	1.35	8.3	1.39
105J_1989_3171	0	0.4	415	1.28	12	21.8	25.0	10			5	802.3	2200	0.50	11.0	0.77
105J_1989_3172	0	0.3	359	1.35	15	23.7	25.0	8			6	560.4	2200	0.27	3.4	0.75
105J_1989_3173	0	0.5	468	1.71	3	4.6	6.3	11			9	309.4	1500	0.14	8.7	0.93
105J_1989_3174	0	<0.2	227	1.66	8	12.4	16.0	53	8	34.24	4	774.7	2900	0.15	5.4	0.89
105J_1989_3175	0	0.9	738	1.93	30	45.3	46.0	8			4	260.1	1200	4.79	4.5	1.12
105J_1989_3176	0	0.6	603	1.08	8	12.1	14.0	11			4	680.3	2300	0.18	10.0	0.41
105J_1989_3177	0	0.3	284	1.04	9	13.6	18.0	6			2	295.4	1700	0.16	2.9	0.26
105J_1989_3179	0	0.7	731	1.44	8	14.1	19.0	9			4	468.4	2100	0.19	6.4	0.38
105J_1989_3180	0	<0.2	321	1.32	4	5.5	8.6	5			4	562.9	1900	0.17	5.0	0.40
105J_1989_3182	0	0.2	217	1.25	2	4.3	7.5	4			3	304.4	1100	0.25	10.0	0.43
105J_1989_3183	0	<0.2	170	1.00	2	4.3	6.7	3			3	319.3	1300	0.20	3.4	0.46
105J_1989_3185	1	<0.2	161	0.97	3	4.9	9.1	5			2	254.5	870	0.28	9.5	0.30
105J_1989_3186	2	<0.2	134	0.92	3	5.2	8.9	3			2	237.6	850	0.29	7.7	0.29
105J_1989_3187	0	<0.2	293	1.43	2	4.6	6.8	4			3	342.9	1100	0.24	11.0	0.87
105J_1989_3188	0	0.2	306	0.59	18	55.8	55.9	5			6	879.7	3100	0.07	13.0	0.83
105J_1989_3189	0	0.4	307	1.21	5	5.9	8.1	8			3	616.6	2200	0.10	6.5	0.58
105J_1989_3190	0	0.9	1025	1.51	9	14.6	18.0	11			8	1043.6	2500	0.19	15.0	0.83
105J_1989_3191	0	0.5	662	1.56	11	19.5	24.0	21	20	28.18	7	518.5	2000	0.25	7.8	0.25
105J_1989_3192	0	1.3	1002	1.12	10	15.7	21.0	13			7	1094.2	3400	0.18	10.0	0.51
105J_1989_3193	0	1.0	1126	1.15	8	12.6	17.0	12			7	1370.8	4000	0.16	4.8	0.42
105J_1989_3194	0	1.0	1170	0.99	10	15.0	21.0	12			7	1266.8	6300	0.17	13.0	0.48

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_3158	0	0.6	0.82	61	8	8.4	13	15.0	45	3.6	35	31.89	1	548	2.64	2.39	3.2
105J_1989_3159	0	1.6	1.70	41	4	5.1	8	12.9	37	3.0	43	38.99	<1	509	1.55	1.39	2.2
105J_1989_3160	0	1.7	1.70	55	9	8.2	13	17.5	70	3.9	34	28.45	1	753	2.57	2.15	3.1
105J_1989_3162	0	1.7	1.84	62	9	7.9	13	20.7	69	5.3	47	42.46	<1	571	2.47	2.16	2.9
105J_1989_3163	1	1.5	1.62	66	11	9.9	13	24.1	72	5.0	51	45.86	<1	603	2.64	2.34	3.1
105J_1989_3164	2	1.3	1.59	64	11	9.8	14	23.3	65	4.8	52	46.61	<1	591	2.50	2.37	3.1
105J_1989_3165	0	1.2	1.19	57	10	8.4	13	19.0	61	4.6	45	39.93	<1	736	1.88	1.74	2.4
105J_1989_3166	0	1.9	2.08	51	12	9.8	13	25.2	64	4.5	52	49.48	<1	714	2.43	2.25	2.5
105J_1989_3167	0	1.1	1.73	57	9	8.5	13	22.0	65	5.2	49	48.88	<1	653	2.24	2.17	3.0
105J_1989_3168	0	3.3	3.54	64	11	10.0	16	23.2	62	5.1	56	56.74	<1	719	2.45	2.31	3.2
105J_1989_3169	0	5.0	4.87	67	10	9.9	14	26.9	71	5.6	73	71.43	<1	657	2.41	2.24	3.2
105J_1989_3170	0	2.5	2.72	67	9	9.5	16	33.1	55	6.0	54	49.28	<1	634	2.65	2.56	3.3
105J_1989_3171	0	5.3	5.09	47	11	10.0	17	22.0	63	4.9	45	40.79	<1	604	3.39	3.35	4.2
105J_1989_3172	0	2.3	2.26	60	10	9.6	16	22.6	62	4.0	50	48.33	<1	626	2.37	2.27	2.8
105J_1989_3173	0	1.6	1.77	57	10	9.2	14	23.2	60	4.8	61	56.59	<1	623	2.45	2.16	2.8
105J_1989_3174	0	0.6	1.02	69	9	7.9	12	23.0	60	4.1	29	25.46	1	629	2.94	2.76	3.5
105J_1989_3175	0	3.0	3.23	55	10	8.9	14	30.9	46	5.5	125	115.61	1	551	2.73	2.22	2.7
105J_1989_3176	0	5.3	5.30	52	11	9.8	15	24.9	79	4.1	58	56.21	1	502	2.32	2.32	3.2
105J_1989_3177	0	0.8	1.38	71	8	7.6	13	18.1	65	4.2	37	36.43	<1	445	2.16	2.16	3.1
105J_1989_3179	0	2.2	2.30	68	11	9.1	16	25.3	73	4.8	47	46.78	1	475	2.47	2.56	3.5
105J_1989_3180	0	2.6	2.70	69	13	10.3	18	17.4	62	4.0	31	29.01	2	412	2.07	1.98	3.2
105J_1989_3182	0	0.2	0.39	72	11	10.3	18	16.4	55	8.3	39	34.44	2	368	2.30	2.23	3.4
105J_1989_3183	0	0.2	0.55	69	9	8.1	14	14.3	51	4.3	32	29.94	2	373	2.12	1.91	2.8
105J_1989_3185	1	0.2	0.42	77	18	16.3	24	16.2	57	11.0	50	43.01	<1	411	2.53	2.84	3.8
105J_1989_3186	2	0.2	0.26	82	19	16.9	24	15.6	56	11.0	46	42.99	2	384	2.56	2.96	4.0
105J_1989_3187	0	0.4	0.80	53	8	8.0	14	13.5	55	8.8	62	58.67	2	351	2.48	2.11	2.9
105J_1989_3188	0	3.3	3.94	16	15	17.7	23	7.8	<20	1.1	46	48.88	<1	201	16.00	14.96	15.0
105J_1989_3189	0	1.1	1.50	42	11	10.6	15	16.7	43	2.8	34	31.59	1	591	2.96	2.52	3.1
105J_1989_3190	0	7.2	6.34	31	16	13.7	17	27.1	60	4.5	68	67.07	<1	596	3.26	3.12	3.3
105J_1989_3191	0	0.9	1.58	52	19	19.8	29	26.3	64	7.8	120	123.19	1	727	3.53	3.52	4.7
105J_1989_3192	0	7.5	6.67	56	9	10.4	15	29.4	86	4.4	89	83.91	<1	620	2.84	2.75	3.4
105J_1989_3193	0	4.5	4.15	46	10	8.7	13	31.7	78	5.1	82	78.51	1	699	2.05	1.97	2.9
105J_1989_3194	0	10.9	10.22	49	12	9.7	16	26.3	97	4.9	91	89.71	1	619	2.41	2.30	3.3

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_3158	0	3.3	4	148	133	0.14	16.1	42	16.6	<0.2	0.57	471	460	2	1.01	3
105J_1989_3159	0	2.9	3	205	217	0.13	12.0	32	29.9	<0.2	0.55	260	229	<2	0.71	3
105J_1989_3160	0	3.3	3	176	164	0.18	12.7	37	14.8	<0.2	0.39	1164	1142	2	2.22	4
105J_1989_3162	0	4.1	4	176	156	0.18	16.2	42	12.8	<0.2	0.55	749	760	3	2.14	4
105J_1989_3163	1	4.1	5	180	160	0.22	19.7	48	9.6	<0.2	0.58	508	545	2	2.27	4
105J_1989_3164	2	4.2	4	191	184	0.21	18.8	44	10.0	<0.2	0.58	491	551	3	2.37	4
105J_1989_3165	0	3.8	5	227	209	0.22	16.0	42	8.2	<0.2	0.53	285	318	2	1.63	3
105J_1989_3166	0	3.8	4	241	217	0.22	16.9	36	9.9	<0.2	0.57	732	801	2	2.65	4
105J_1989_3167	0	4.2	5	158	126	0.24	18.5	44	11.0	<0.2	0.68	421	469	2	1.74	3
105J_1989_3168	0	4.5	5	173	140	0.24	17.1	47	9.0	<0.2	0.75	514	589	2	2.17	4
105J_1989_3169	0	5.0	6	83	66	0.19	19.5	52	9.4	<0.2	0.79	328	365	3	2.34	3
105J_1989_3170	0	8.5	5	50	45	0.28	17.8	50	15.8	<0.2	1.22	307	351	<2	0.91	2
105J_1989_3171	0	4.1	3	122	129	0.16	14.3	35	16.5	<0.2	0.65	8020	6853	2	2.41	3
105J_1989_3172	0	4.1	4	130	116	0.22	19.7	43	8.4	<0.2	0.72	421	455	4	2.09	4
105J_1989_3173	0	4.4	4	166	179	0.31	21.7	40	15.8	<0.2	0.86	296	301	2	1.51	4
105J_1989_3174	0	4.7	6	79	81	0.24	16.9	49	7.8	<0.2	0.78	1017	1143	2	1.65	2
105J_1989_3175	0	6.2	3	72	61	0.15	15.4	38	21.2	<0.2	0.99	443	430	2	1.00	3
105J_1989_3176	0	3.1	4	227	271	0.14	15.9	37	9.5	<0.2	0.40	742	860	4	4.30	6
105J_1989_3177	0	3.3	7	72	68	0.12	18.8	52	4.8	<0.2	0.42	349	391	2	2.30	3
105J_1989_3179	0	4.0	6	202	205	0.15	19.0	50	7.4	<0.2	0.46	618	729	4	4.42	7
105J_1989_3180	0	3.3	5	155	144	0.13	16.5	50	8.8	<0.2	0.39	1050	1187	<2	1.38	3
105J_1989_3182	0	3.3	5	101	111	0.11	11.7	52	11.7	<0.2	0.36	468	441	<2	0.75	2
105J_1989_3183	0	2.8	5	72	64	0.12	15.0	48	12.2	<0.2	0.32	480	449	<2	0.94	3
105J_1989_3185	1	2.4	6	115	121	0.10	9.2	52	10.2	<0.2	0.38	645	646	<2	0.82	3
105J_1989_3186	2	2.5	5	119	116	0.10	9.2	54	9.3	<0.2	0.37	620	652	<2	0.76	2
105J_1989_3187	0	3.0	4	137	108	0.17	14.5	40	23.1	<0.2	0.27	625	551	<2	0.57	2
105J_1989_3188	0	1.8	1	198	211	0.05	5.0	12	37.6	<0.2	0.17	7544	6072	13	19.71	17
105J_1989_3189	0	3.6	3	148	133	0.12	13.5	29	16.6	<0.2	0.42	3018	2515	3	1.86	3
105J_1989_3190	0	4.3	3	306	366	0.22	13.8	29	20.0	<0.2	0.45	5953	4744	9	9.74	12
105J_1989_3191	0	4.9	3	306	369	0.25	19.6	40	10.0	<0.2	0.59	1394	1590	6	6.30	9
105J_1989_3192	0	3.6	3	418	456	0.21	10.5	35	13.7	<0.2	0.35	1279	1492	9	9.18	12
105J_1989_3193	0	4.0	3	360	365	0.18	9.8	33	7.7	<0.2	0.34	493	572	7	6.95	10
105J_1989_3194	0	3.0	4	349	373	0.15	10.9	38	10.4	<0.2	0.32	639	707	11	12.48	15

Unique ID	Rep Stat	Na ICP-MS	Na INAA	Ni AAS	Ni ICP-MS	P ICP-MS	Pb AAS	Pb ICP-MS	Rb INAA	S ICP-MS	Sb HY-AAS	Sb ICP-MS	Sb INAA	Sc ICP-MS	Sc INAA	Se ICP-MS
		%	pct	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.001	0.02	2	0.1	0.001	2	0.01	5	0.01	0.2	0.02	0.1	0.1	0.2	0.1
105J_1989_3158	0	0.011	0.79	23	21.4	0.122	12	10.24	64	0.13	0.9	0.90	1.4	2.6	10.0	1.5
105J_1989_3159	0	0.012	0.78	25	22.5	0.105	8	6.26	54	0.48	0.6	0.85	1.1	2.7	9.1	5.0
105J_1989_3160	0	0.008	0.53	32	27.9	0.180	15	11.60	63	0.10	1.3	1.46	2.2	2.3	10.0	1.7
105J_1989_3162	0	0.008	0.62	34	30.7	0.129	18	13.42	68	0.08	1.4	1.57	2.5	2.6	11.0	1.4
105J_1989_3163	1	0.008	0.60	39	36.1	0.127	15	13.72	80	0.06	2.1	1.93	3.1	3.3	12.0	1.8
105J_1989_3164	2	0.007	0.56	38	36.5	0.124	15	13.87	78	0.06	2.1	2.03	3.2	3.3	12.0	1.8
105J_1989_3165	0	0.008	0.45	28	28.3	0.152	12	10.19	69	0.04	1.2	1.18	1.8	2.7	10.0	1.2
105J_1989_3166	0	0.009	0.44	38	36.3	0.144	16	17.94	71	0.07	2.0	1.88	2.8	3.1	8.7	2.0
105J_1989_3167	0	0.009	0.59	32	31.5	0.140	17	14.67	84	0.05	1.7	1.43	2.5	3.0	11.0	1.5
105J_1989_3168	0	0.009	0.58	40	37.7	0.160	23	21.15	76	0.09	3.1	2.77	4.5	3.2	12.0	1.8
105J_1989_3169	0	0.020	0.77	47	46.6	0.142	54	52.83	78	0.06	10.0	7.08	10.2	2.8	12.0	1.7
105J_1989_3170	0	0.093	0.79	27	27.0	0.114	25	22.21	62	0.09	2.5	2.03	3.1	3.8	11.0	1.0
105J_1989_3171	0	0.012	0.61	66	65.0	0.192	15	12.17	59	0.18	1.7	2.01	3.0	2.4	9.3	5.0
105J_1989_3172	0	0.011	0.50	34	32.3	0.160	17	13.79	67	0.07	2.0	1.95	2.7	3.0	10.0	1.7
105J_1989_3173	0	0.010	0.56	38	34.3	0.139	13	9.76	69	0.10	1.2	1.39	2.0	3.7	12.0	2.2
105J_1989_3174	0	0.068	0.67	30	27.4	0.155	15	11.61	58	0.09	1.5	1.52	2.3	2.9	10.0	1.5
105J_1989_3175	0	0.014	0.65	31	29.5	0.124	36	34.41	65	0.12	3.8	4.47	5.3	3.3	10.0	1.8
105J_1989_3176	0	0.009	0.76	61	59.5	0.156	14	12.59	63	0.11	2.5	2.59	3.7	2.0	10.0	3.1
105J_1989_3177	0	0.005	0.80	35	34.4	0.115	17	16.18	76	0.03	1.9	1.61	3.0	2.0	11.0	0.8
105J_1989_3179	0	0.010	0.78	45	47.2	0.152	16	14.46	76	0.03	3.2	2.22	4.4	2.5	12.0	1.3
105J_1989_3180	0	0.009	0.87	47	46.3	0.120	15	12.21	80	0.04	0.8	0.74	1.5	2.4	12.0	1.4
105J_1989_3182	0	0.010	0.82	25	24.7	0.089	18	15.85	91	0.06	0.7	0.60	1.2	2.6	15.0	1.0
105J_1989_3183	0	0.011	0.87	21	20.4	0.094	15	12.96	75	0.05	0.7	0.78	1.4	1.8	11.0	0.6
105J_1989_3185	1	0.009	0.65	28	26.8	0.078	23	20.92	93	0.06	0.9	0.65	1.5	2.8	15.0	0.8
105J_1989_3186	2	0.010	0.66	27	27.4	0.076	25	21.33	92	0.05	0.9	0.74	1.6	2.9	15.0	0.7
105J_1989_3187	0	0.019	0.82	26	25.7	0.095	21	17.87	89	0.13	0.5	0.53	1.0	3.0	13.0	1.0
105J_1989_3188	0	0.016	0.61	68	72.3	0.311	7	4.48	17	0.32	1.4	3.33	3.3	1.6	4.1	17.8
105J_1989_3189	0	0.007	0.54	24	23.2	0.148	11	7.29	48	0.19	0.7	0.67	1.1	2.6	8.7	2.1
105J_1989_3190	0	0.008	0.36	87	84.6	0.236	12	11.45	69	0.12	2.3	2.18	3.7	2.9	8.9	4.7
105J_1989_3191	0	0.006	0.38	91	92.2	0.168	21	20.22	73	0.09	2.9	2.34	3.8	3.9	13.0	3.2
105J_1989_3192	0	0.007	0.35	103	96.1	0.221	15	12.95	68	0.12	5.0	3.46	5.4	2.9	10.0	5.1
105J_1989_3193	0	0.006	0.42	85	81.6	0.167	14	11.44	69	0.09	5.0	3.22	5.4	2.9	11.0	3.0
105J_1989_3194	0	0.005	0.45	148	138.7	0.170	14	11.35	75	0.11	8.0	5.12	9.1	2.4	12.0	4.3

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_3158	0	4.4	6	103.6	1.0	0.7	<0.02	3.9	9.3	0.003	0.12	1.7	4.7	4.4	30	35
105J_1989_3159	0	3.1	10	91.4	0.8	0.7	0.04	2.5	6.9	0.005	0.16	4.8	7.6	7.2	28	34
105J_1989_3160	0	4.2	5	67.9	0.9	0.7	0.02	2.4	6.9	0.009	0.21	2.3	5.0	4.8	67	87
105J_1989_3162	0	4.8	6	52.6	1.1	0.9	0.06	3.0	9.4	0.007	0.17	2.6	5.7	5.3	50	61
105J_1989_3163	1	5.5	4	49.6	1.1	0.7	0.02	3.9	10.0	0.009	0.20	2.3	5.5	5.1	57	74
105J_1989_3164	2	5.3	3	49.3	1.0	0.8	0.03	3.7	10.0	0.008	0.20	2.3	5.5	5.5	57	73
105J_1989_3165	0	4.9	8	51.0	1.0	0.7	0.03	3.4	9.2	0.009	0.19	1.7	5.2	4.6	45	62
105J_1989_3166	0	4.6	8	54.5	1.0	0.9	0.05	3.8	9.0	0.009	0.21	2.5	5.5	5.3	58	76
105J_1989_3167	0	5.4	8	54.6	1.3	1.0	0.03	4.0	11.0	0.010	0.17	1.4	4.8	4.2	48	61
105J_1989_3168	0	5.3	8	49.4	1.1	1.0	0.06	3.4	10.0	0.013	0.22	2.0	5.4	4.6	56	70
105J_1989_3169	0	5.8	14	47.2	1.2	1.0	0.03	2.3	10.0	0.028	0.29	2.9	6.2	5.8	66	76
105J_1989_3170	0	5.3	13	100.9	1.0	0.7	0.05	3.0	10.0	0.080	0.22	1.0	3.3	3.0	57	55
105J_1989_3171	0	4.0	10	65.2	0.9	0.6	0.02	2.6	7.2	0.015	0.26	2.9	5.3	5.2	67	80
105J_1989_3172	0	5.0	10	58.6	1.0	0.9	0.04	4.2	9.2	0.016	0.18	1.5	4.2	4.5	52	69
105J_1989_3173	0	4.7	8	57.7	1.3	0.8	0.05	3.2	8.6	0.013	0.20	1.4	4.4	4.2	41	54
105J_1989_3174	0	5.5	9	93.3	0.9	0.8	0.03	4.5	10.0	0.034	0.15	1.6	4.6	4.6	47	58
105J_1989_3175	0	4.1	10	39.4	0.8	0.7	0.08	2.9	8.2	0.046	0.26	3.0	5.1	5.6	70	78
105J_1989_3176	0	4.4	5	65.9	1.0	0.8	0.05	1.2	7.7	0.010	0.26	5.8	9.1	8.7	68	98
105J_1989_3177	0	6.2	3	33.5	1.3	1.1	0.05	3.1	12.0	0.007	0.14	2.1	5.9	5.2	42	52
105J_1989_3179	0	6.1	5	45.7	1.1	1.1	<0.02	2.2	11.0	0.006	0.30	5.5	10.0	8.6	80	117
105J_1989_3180	0	6.1	7	41.3	1.1	1.1	0.04	2.9	12.0	0.005	0.16	2.7	6.1	5.1	36	44
105J_1989_3182	0	7.1	9	48.2	0.9	1.2	0.04	3.6	14.0	0.004	0.09	1.8	4.8	4.7	25	28
105J_1989_3183	0	5.5	6	43.7	1.0	0.8	0.05	2.9	11.0	0.006	0.08	1.0	3.8	3.6	29	31
105J_1989_3185	1	7.0	3	62.1	1.5	1.4	0.05	3.5	14.0	0.004	0.08	3.2	6.1	6.1	28	26
105J_1989_3186	2	7.0	5	61.0	1.3	1.2	0.02	3.7	14.0	0.004	0.07	2.6	5.6	5.7	25	26
105J_1989_3187	0	5.8	8	87.3	0.8	1.1	0.08	4.0	13.0	0.003	0.13	3.7	6.5	6.8	25	27
105J_1989_3188	0	1.3	9	73.3	<0.5	<0.5	0.04	0.9	2.6	0.009	0.14	3.8	4.4	6.7	24	26
105J_1989_3189	0	3.5	5	57.4	0.9	0.7	0.02	1.9	6.3	0.004	0.17	2.5	5.2	5.3	41	53
105J_1989_3190	0	4.2	8	98.8	0.8	0.9	0.08	1.5	7.0	0.006	0.34	4.6	8.2	7.4	87	121
105J_1989_3191	0	6.0	5	71.1	1.2	1.2	0.09	2.6	8.8	0.007	0.33	4.0	8.1	6.9	65	81
105J_1989_3192	0	4.5	6	77.7	0.8	1.0	0.13	1.5	6.7	0.007	0.35	7.5	12.0	10.7	139	188
105J_1989_3193	0	4.2	8	67.3	0.9	0.8	0.09	1.6	7.0	0.007	0.48	9.5	15.0	12.6	157	221
105J_1989_3194	0	4.8	6	81.1	1.0	1.3	0.07	1.3	7.6	0.006	0.55	9.7	15.0	13.6	146	205

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_3158	0	<0.1	1	28.91	2	124	111.5
105J_1989_3159	0	<0.1	<1	24.35	<2	146	125.6
105J_1989_3160	0	<0.1	1	31.91	2	256	210.3
105J_1989_3162	0	<0.1	1	30.12	3	207	182.4
105J_1989_3163	1	<0.1	1	34.82	3	225	195.5
105J_1989_3164	2	<0.1	1	16.38	3	215	196.5
105J_1989_3165	0	<0.1	1	28.48	3	167	155.8
105J_1989_3166	0	<0.1	1	32.12	<2	205	186.5
105J_1989_3167	0	<0.1	<1	32.39	3	175	165.1
105J_1989_3168	0	<0.1	<1	37.81	3	276	253.1
105J_1989_3169	0	0.3	1	32.25	3	514	480.1
105J_1989_3170	0	0.2	<1	27.75	<2	257	228.3
105J_1989_3171	0	0.1	<1	29.82	2	456	422.3
105J_1989_3172	0	0.5	1	19.19	2	198	175.6
105J_1989_3173	0	0.2	<1	27.03	3	191	162.8
105J_1989_3174	0	0.2	<1	36.64	3	147	131.6
105J_1989_3175	0	0.4	1	24.45	2	248	224.5
105J_1989_3176	0	0.1	<1	34.16	3	479	470.1
105J_1989_3177	0	0.1	<1	43.14	3	198	188.1
105J_1989_3179	0	<0.1	1	37.09	3	336	342.3
105J_1989_3180	0	<0.1	2	33.52	3	280	253.1
105J_1989_3182	0	<0.1	1	29.30	3	118	102.6
105J_1989_3183	0	<0.1	1	29.89	3	110	96.7
105J_1989_3185	1	<0.1	1	16.03	3	118	106.9
105J_1989_3186	2	<0.1	2	28.97	3	114	104.1
105J_1989_3187	0	<0.1	<1	19.81	3	144	132.6
105J_1989_3188	0	0.1	<1	19.89	<2	309	278.4
105J_1989_3189	0	<0.1	1	28.25	<2	169	153.5
105J_1989_3190	0	<0.1	1	24.16	<2	565	508.7
105J_1989_3191	0	<0.1	2	34.12	4	246	232.3
105J_1989_3192	0	0.4	1	26.49	3	678	610.7
105J_1989_3193	0	<0.1	<1	21.98	3	630	603.7
105J_1989_3194	0	<0.1	2	37.38	4	1430	1343.3

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_3195	0	1.7	1622	1.21	11	15.5	20.0	13			8	916.1	2400	0.16	15.0	0.78
105J_1989_3196	0	0.4	536	1.16	9	13.8	20.0	14	11	15.54	5	524.9	2700	0.17	9.1	0.38
105J_1989_3197	0	0.7	528	1.28	11	15.9	21.0	15	17	27.04	5	574.3	2300	0.19	11.0	0.37
105J_1989_3198	0	0.6	903	1.20	5	6.1	8.4	14	14	16.09	5	511.2	2000	0.24	7.6	0.42
105J_1989_3199	0	1.5	1359	1.19	14	23.8	28.0	17	14	30.63	5	897.3	2600	0.27	14.0	0.48
105J_1989_3200	0	0.4	557	1.24	11	15.5	21.0	19	17	33.70	5	413.1	2000	0.20	6.3	0.49
105J_1989_3202	0	0.4	445	1.18	9	13.2	17.0	8			5	788.2	3000	0.17	3.2	0.52
105J_1989_3203	0	1.2	1147	0.95	18	23.4	28.0	11			7	628.1	2000	0.23	24.0	0.68
105J_1989_3204	1	0.9	810	1.38	6	9.4	13.0	13	17	13.19	6	1332.6	4500	0.19	3.6	0.76
105J_1989_3205	2	0.8	892	1.40	8	9.9	13.0	15	17	30.16	7	1451.5	4700	0.20	4.0	0.79
105J_1989_3207	0	0.8	733	1.14	11	15.3	20.0	21	18	33.13	7	756.7	3700	0.20	3.9	0.73
105J_1989_3208	0	0.7	782	1.22	11	16.3	20.0	25	23	23.43	10	828.6	8560	0.19	2.7	1.08
105J_1989_3209	0	0.9	1243	0.95	40	35.8	47.0	15	15	36.26	7	948.5	4800	0.21	3.4	0.72
105J_1989_3210	0	1.1	1286	0.85	40	36.2	47.0	8			9	944.3	4000	0.21	5.4	1.09
105J_1989_3211	0	0.8	840	1.08	30	27.0	30.0	11			7	1336.3	4400	0.23	2.9	0.64
105J_1989_3212	0	0.7	967	1.02	22	25.7	33.0	12			7	1327.6	6410	0.21	3.4	0.67
105J_1989_3213	0	1.3	997	0.75	35	32.7	49.0	10			7	908.6	5320	0.17	2.1	0.72
105J_1989_3214	0	0.9	752	1.02	38	34.0	45.0	14	10	30.89	6	1165.3	4900	0.22	4.4	0.53
105J_1989_3215	0	0.5	695	1.18	13	18.0	24.0	10			6	908.1	4000	0.17	3.4	0.59
105J_1989_3216	0	0.7	749	0.99	30	28.4	36.0	14	13	27.76	7	807.9	4100	0.21	4.9	0.48
105J_1989_3217	0	0.6	639	1.12	14	19.6	25.0	14	10	28.56	6	936.1	7320	0.19	4.0	0.66
105J_1989_3218	0	1.3	1022	1.18	25	24.1	31.0	21	20	23.77	7	722.3	5100	0.24	6.1	0.43
105J_1989_3219	0	0.3	468	0.68	16	17.6	23.0	7			9	1020.0	9430	0.13	<0.5	1.14
105J_1989_3220	0	1.1	1158	1.02	20	25.9	33.0	18	18	27.46	6	820.2	5770	0.21	4.8	0.30
105J_1989_3222	0	1.1	1208	0.43	19	16.8	25.0	17	20	34.23	4	423.6	2200	0.21	1.7	0.04
105J_1989_3223	0	1.0	866	1.52	9	15.4	18.0	19	21	14.25	9	672.9	3200	0.20	3.7	0.59
105J_1989_3224	1	0.6	834	1.16	8	13.9	17.0	11			8	967.8	4000	0.19	2.9	0.55
105J_1989_3225	2	0.7	805	1.18	9	13.5	16.0	9			8	911.7	3600	0.18	2.0	0.49
105J_1989_3226	0	0.4	582	1.03	8	10.7	14.0	9			8	648.4	3600	0.15	2.3	0.44
105J_1989_3227	0	0.3	349	0.69	5	7.6	12.0	6			8	607.4	2900	0.22	0.6	0.98
105J_1989_3228	0	<0.2	346	0.89	7	9.0	13.0	5			6	554.4	3100	0.16	2.1	0.54
105J_1989_3229	0	<0.2	173	0.72	4	5.3	8.4	6			5	576.2	2500	0.10	2.6	0.63
105J_1989_3230	0	0.4	386	0.63	9	12.6	17.0	5			5	782.0	4100	0.15	1.2	0.45

Silt Data - GSC Open File 5694 / YGS Open File 2008-4

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_3195	0	17.6	17.48	41	11	10.9	15	28.6	81	4.5	86	81.52	<1	508	2.71	2.49	3.3
105J_1989_3196	0	5.4	5.97	46	11	11.1	20	23.1	89	6.4	78	78.54	1	721	2.91	2.91	4.1
105J_1989_3197	0	7.7	6.84	45	16	14.9	22	24.0	79	6.7	90	89.93	2	539	3.19	3.08	4.3
105J_1989_3198	0	5.6	6.33	43	6	6.1	8	30.5	97	3.7	98	104.99	2	506	2.21	1.88	2.3
105J_1989_3199	0	2.7	3.12	44	12	13.9	19	35.1	120	4.0	97	102.66	1	578	3.50	3.77	4.5
105J_1989_3200	0	7.9	7.52	43	33	34.1	47	25.7	76	4.1	110	109.07	1	708	3.31	3.36	4.1
105J_1989_3202	0	2.7	2.96	53	13	13.2	20	25.3	88	4.8	72	71.17	1	805	3.06	3.10	4.1
105J_1989_3203	0	7.9	7.41	52	9	9.4	13	27.8	100	4.2	88	90.07	1	519	3.18	3.09	4.1
105J_1989_3204	1	4.6	4.40	56	8	9.6	16	22.3	73	7.0	97	93.21	1	644	2.63	2.39	3.4
105J_1989_3205	2	4.6	4.70	57	8	9.9	15	23.5	73	7.0	95	96.68	2	697	2.50	2.46	3.5
105J_1989_3207	0	2.4	2.62	51	11	10.8	15	23.6	90	8.1	108	100.63	1	688	2.66	2.65	3.7
105J_1989_3208	0	4.6	4.79	63	12	12.9	19	25.4	73	6.7	93	91.51	1	905	2.87	2.89	3.9
105J_1989_3209	0	8.9	8.84	44	10	11.0	15	25.1	110	5.6	95	94.43	1	700	2.73	2.76	3.9
105J_1989_3210	0	10.3	10.50	55	13	13.4	20	29.4	110	4.9	110	114.09	2	677	2.82	2.87	3.9
105J_1989_3211	0	10.6	10.47	48	20	22.5	30	27.0	79	5.3	108	104.59	2	694	3.60	3.82	4.4
105J_1989_3212	0	5.0	5.15	53	13	13.0	20	26.3	100	5.2	86	87.86	2	779	3.00	3.24	3.9
105J_1989_3213	0	7.2	7.29	47	11	11.4	18	28.7	95	5.7	96	96.49	1	875	2.53	2.60	3.4
105J_1989_3214	0	3.3	3.25	54	15	14.5	23	23.8	89	6.8	90	86.33	1	669	3.55	3.69	5.1
105J_1989_3215	0	1.7	1.93	55	16	15.6	25	32.9	110	5.4	68	67.37	2	665	3.42	3.62	5.0
105J_1989_3216	0	5.2	4.77	71	13	13.5	19	23.1	110	6.8	80	75.72	<1	664	2.97	3.18	4.4
105J_1989_3217	0	4.8	5.24	78	16	17.6	22	24.8	97	5.3	87	94.40	<1	800	3.22	3.35	4.3
105J_1989_3218	0	3.8	3.93	56	15	15.8	18	32.5	130	5.4	121	124.06	1	567	3.55	3.71	5.1
105J_1989_3219	0	3.6	3.54	68	8	7.1	9	21.8	99	4.6	59	58.16	1	941	1.94	1.81	2.6
105J_1989_3220	0	4.6	4.51	62	13	13.8	17	33.8	120	6.3	110	105.09	1	630	3.38	3.54	4.4
105J_1989_3222	0	0.3	0.43	47	3	2.5	<5	40.7	160	6.4	71	67.75	<1	456	2.00	1.77	2.3
105J_1989_3223	0	4.4	4.90	69	15	15.7	16	27.9	71	7.3	118	117.50	<1	764	2.82	3.08	3.3
105J_1989_3224	1	3.5	3.64	58	10	9.7	10	27.3	79	5.0	65	70.36	<1	683	2.07	2.18	2.4
105J_1989_3225	2	3.1	3.00	49	10	9.1	11	26.0	77	5.1	71	68.95	<1	692	2.22	2.05	2.4
105J_1989_3226	0	2.8	2.95	62	9	8.5	9	24.0	88	4.6	59	59.40	<1	626	1.93	1.92	2.8
105J_1989_3227	0	1.6	1.58	66	9	8.1	11	15.1	57	4.9	38	38.46	1	536	1.57	1.59	2.4
105J_1989_3228	0	2.2	2.33	63	8	8.2	9	15.6	70	6.7	34	35.33	<1	747	1.90	1.82	2.8
105J_1989_3229	0	0.4	0.83	59	8	5.8	9	13.4	72	4.8	20	18.80	<1	508	1.55	1.44	2.2
105J_1989_3230	0	1.0	1.21	63	9	9.0	13	14.0	97	6.6	39	35.96	1	541	2.03	2.00	3.2

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_3195	0	3.6	3	533	597	0.15	7.2	30	18.3	<0.2	0.35	3165	2730	7	8.57	11
105J_1989_3196	0	3.6	4	238	244	0.19	9.9	35	8.9	<0.2	0.40	984	1172	6	6.55	9
105J_1989_3197	0	3.7	3	288	335	0.19	11.5	37	10.7	<0.2	0.41	1197	1304	5	5.74	7
105J_1989_3198	0	3.4	3	378	477	0.14	9.5	34	14.4	<0.2	0.30	115	126	4	4.52	6
105J_1989_3199	0	3.5	3	446	464	0.15	9.7	36	15.4	<0.2	0.33	984	1176	7	8.86	10
105J_1989_3200	0	3.6	4	281	281	0.20	12.9	37	9.2	<0.2	0.42	2542	2758	5	5.76	7
105J_1989_3202	0	3.7	4	234	225	0.20	14.0	41	6.9	<0.2	0.48	590	669	4	4.54	7
105J_1989_3203	0	3.1	3	364	333	0.20	7.7	36	16.3	<0.2	0.29	1164	1295	10	11.49	15
105J_1989_3204	1	3.8	5	360	330	0.19	11.0	40	14.1	<0.2	0.48	296	343	5	4.87	7
105J_1989_3205	2	3.9	4	371	350	0.20	11.3	42	14.5	<0.2	0.49	284	340	5	5.28	8
105J_1989_3207	0	3.4	4	360	353	0.22	10.8	42	10.5	<0.2	0.43	351	419	5	5.75	8
105J_1989_3208	0	3.5	4	371	416	0.26	15.5	48	8.7	<0.2	0.48	264	337	5	4.70	7
105J_1989_3209	0	2.6	3	457	478	0.17	17.1	42	8.5	<0.2	0.34	850	949	14	14.26	17
105J_1989_3210	0	2.7	4	540	584	0.17	17.6	48	8.6	<0.2	0.53	681	763	26	29.13	33
105J_1989_3211	0	3.0	3	360	398	0.20	13.0	37	9.9	<0.2	0.28	984	1241	8	8.68	10
105J_1989_3212	0	3.0	4	374	386	0.22	14.7	41	8.3	<0.2	0.35	672	806	7	8.66	10
105J_1989_3213	0	2.5	3	371	377	0.17	10.5	40	6.7	<0.2	0.29	775	848	14	15.42	22
105J_1989_3214	0	3.0	4	389	401	0.21	14.1	47	8.5	<0.2	0.28	465	572	6	6.27	8
105J_1989_3215	0	3.6	5	295	311	0.21	15.8	46	9.0	<0.2	0.47	387	443	6	4.77	6
105J_1989_3216	0	3.0	3	389	398	0.21	11.4	36	8.4	<0.2	0.25	918	1106	6	6.18	8
105J_1989_3217	0	3.3	4	324	380	0.22	14.4	37	9.0	<0.2	0.36	1263	1561	6	5.33	6
105J_1989_3218	0	3.9	3	421	439	0.21	9.4	35	10.5	<0.2	0.35	1148	1501	7	7.71	8
105J_1989_3219	0	2.4	3	198	213	0.20	14.3	40	4.4	<0.2	0.44	274	290	7	6.64	8
105J_1989_3220	0	3.4	3	659	608	0.15	9.6	33	10.8	<0.2	0.21	984	1211	10	10.67	11
105J_1989_3222	0	3.2	2	748	626	0.13	7.6	31	9.1	<0.2	0.07	105	109	6	8.43	10
105J_1989_3223	0	4.8	3	510	516	0.29	16.0	31	9.8	<0.2	0.66	500	617	6	8.12	9
105J_1989_3224	1	3.7	2	317	345	0.24	13.8	26	8.6	<0.2	0.34	902	1086	4	6.37	8
105J_1989_3225	2	3.6	2	349	326	0.24	13.0	27	9.4	<0.2	0.33	588	654	3	5.78	6
105J_1989_3226	0	3.3	3	234	237	0.20	12.1	33	7.4	<0.2	0.32	350	409	2	4.62	5
105J_1989_3227	0	2.4	4	158	148	0.14	10.5	32	4.2	<0.2	0.45	404	424	<2	2.13	2
105J_1989_3228	0	2.7	4	128	119	0.16	13.1	32	6.9	<0.2	0.32	421	461	<2	2.84	3
105J_1989_3229	0	2.4	4	176	147	0.13	8.0	27	6.2	<0.2	0.25	251	272	<2	1.27	2
105J_1989_3230	0	2.1	5	180	204	0.14	9.2	36	5.9	<0.2	0.25	481	504	<2	4.07	5

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_3195	0	0.007	0.48	257	235.9	0.205	13	12.07	62	0.16	6.0	3.36	6.2	2.4	11.0	5.3
105J_1989_3196	0	0.004	0.40	92	93.8	0.185	13	12.00	77	0.08	3.1	2.26	4.1	2.7	12.0	3.9
105J_1989_3197	0	0.005	0.48	112	105.4	0.189	15	14.21	74	0.08	2.9	2.02	3.8	2.8	12.0	2.5
105J_1989_3198	0	0.006	0.45	68	71.8	0.186	19	19.05	60	0.16	2.0	2.10	3.2	2.5	11.0	5.4
105J_1989_3199	0	0.006	0.40	105	109.9	0.191	22	21.48	66	0.20	5.0	3.36	6.0	3.0	11.0	4.3
105J_1989_3200	0	0.005	0.33	218	207.1	0.184	20	16.25	70	0.10	3.4	2.44	4.5	3.8	11.0	2.2
105J_1989_3202	0	0.004	0.39	60	60.9	0.173	16	14.05	80	0.08	3.4	2.30	4.2	3.4	12.0	1.8
105J_1989_3203	0	0.007	0.38	111	108.1	0.200	22	22.82	66	0.28	6.0	3.96	6.9	2.5	11.0	3.8
105J_1989_3204	1	0.005	0.51	69	66.6	0.195	16	14.76	93	0.12	3.3	2.42	4.7	3.5	14.0	3.1
105J_1989_3205	2	0.005	0.52	68	69.1	0.194	16	15.46	86	0.13	3.2	2.49	4.6	3.7	14.0	3.2
105J_1989_3207	0	0.004	0.50	55	55.4	0.201	17	15.11	85	0.11	7.0	2.86	6.2	3.5	13.0	3.0
105J_1989_3208	0	0.004	0.28	65	66.0	0.335	17	14.67	81	0.16	5.0	3.37	5.8	4.3	13.0	2.3
105J_1989_3209	0	0.004	0.38	115	115.1	0.252	17	17.29	75	0.12	11.0	7.63	13.5	2.9	12.0	4.6
105J_1989_3210	0	0.005	0.38	155	159.3	0.209	17	16.41	76	0.13	18.0	12.92	21.3	3.1	12.0	6.3
105J_1989_3211	0	0.004	0.28	130	128.3	0.257	19	18.16	68	0.15	6.0	4.27	7.0	3.5	11.0	3.3
105J_1989_3212	0	0.005	0.30	90	91.4	0.253	17	17.22	76	0.15	6.0	4.77	8.3	3.6	11.0	3.0
105J_1989_3213	0	0.003	0.24	105	105.4	0.244	16	14.14	82	0.14	10.0	7.44	14.5	3.0	10.0	4.6
105J_1989_3214	0	0.005	0.36	74	71.4	0.217	18	16.37	80	0.11	7.0	4.23	8.6	4.3	14.0	2.8
105J_1989_3215	0	0.004	0.33	60	58.2	0.208	18	15.09	82	0.09	3.0	2.15	4.4	5.0	17.0	2.8
105J_1989_3216	0	0.005	0.34	69	67.2	0.217	20	17.53	97	0.11	5.0	3.52	7.4	3.0	11.0	2.5
105J_1989_3217	0	0.004	0.28	105	109.4	0.239	17	16.22	86	0.11	3.3	2.49	4.6	4.4	11.0	2.5
105J_1989_3218	0	0.006	0.30	108	110.8	0.194	23	21.58	81	0.23	4.0	3.16	6.2	3.2	10.0	4.1
105J_1989_3219	0	0.003	0.15	53	51.0	0.299	15	11.80	88	0.13	5.0	3.99	7.2	2.6	8.5	3.5
105J_1989_3220	0	0.003	0.23	108	101.8	0.189	19	15.97	68	0.14	6.0	4.16	8.1	3.1	8.7	5.5
105J_1989_3222	0	0.003	0.16	22	20.3	0.121	20	17.60	62	0.18	5.0	3.43	8.3	2.1	7.2	5.8
105J_1989_3223	0	0.005	0.27	72	72.7	0.191	21	17.80	92	0.08	6.0	3.48	6.1	4.1	8.5	3.3
105J_1989_3224	1	0.005	0.26	56	58.9	0.203	16	13.58	92	0.04	3.3	2.47	4.9	3.1	7.1	2.5
105J_1989_3225	2	0.006	0.28	54	53.9	0.183	14	13.46	82	0.05	3.6	2.40	4.5	3.1	8.2	2.6
105J_1989_3226	0	0.004	0.35	38	39.9	0.193	13	11.84	78	0.03	2.7	1.97	3.8	2.4	9.1	2.0
105J_1989_3227	0	0.007	0.56	33	33.4	0.108	11	9.73	71	0.19	1.6	1.23	2.6	2.5	8.5	1.5
105J_1989_3228	0	0.007	0.52	33	32.4	0.116	14	11.48	86	0.06	2.1	1.64	3.3	2.5	9.1	1.9
105J_1989_3229	0	0.009	0.57	22	22.0	0.115	9	8.01	75	0.06	1.0	0.74	1.7	2.1	8.1	1.6
105J_1989_3230	0	0.006	0.49	42	38.9	0.106	11	10.56	89	0.10	2.4	1.97	3.3	2.7	10.0	3.3

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_3195	0	3.7	8	75.6	0.8	1.0	0.08	0.9	6.0	0.005	0.63	17.0	21.8	21.2	204	253
105J_1989_3196	0	4.1	6	53.3	1.2	1.1	0.07	1.8	7.8	0.006	0.31	11.0	16.0	12.9	111	121
105J_1989_3197	0	4.6	3	54.9	1.1	0.9	0.10	1.8	7.7	0.007	0.31	7.9	13.0	11.4	91	103
105J_1989_3198	0	4.8	9	74.4	1.0	1.1	0.04	0.9	6.6	0.005	0.28	8.6	11.0	10.7	72	103
105J_1989_3199	0	4.9	9	99.2	0.9	1.1	0.09	1.3	6.7	0.005	0.30	7.3	11.0	10.0	136	199
105J_1989_3200	0	5.6	8	75.6	1.4	1.0	0.06	2.5	8.4	0.005	0.21	3.2	7.8	7.0	75	97
105J_1989_3202	0	5.0	9	68.3	1.4	1.0	0.10	3.0	9.4	0.005	0.20	2.4	6.7	5.9	68	85
105J_1989_3203	0	4.7	9	128.8	0.7	1.1	0.16	1.0	6.4	0.004	0.34	6.4	11.0	10.6	140	177
105J_1989_3204	1	5.5	12	118.4	1.2	1.1	0.07	2.6	9.2	0.003	0.31	3.6	8.0	7.5	79	90
105J_1989_3205	2	5.5	10	117.1	1.1	1.2	0.06	2.6	9.4	0.003	0.33	3.8	7.9	6.9	77	95
105J_1989_3207	0	5.1	6	93.4	1.2	0.9	0.05	2.8	11.0	0.003	0.24	3.7	8.1	7.2	66	101
105J_1989_3208	0	6.0	8	126.5	1.3	1.1	0.07	3.4	9.2	0.006	0.29	3.0	6.8	6.3	84	121
105J_1989_3209	0	5.3	5	126.1	0.9	0.9	0.12	1.8	7.6	0.006	0.44	5.7	11.0	9.3	119	176
105J_1989_3210	0	5.9	6	102.0	0.8	1.4	0.14	1.7	8.3	0.006	0.83	7.4	13.0	11.1	219	357
105J_1989_3211	0	5.2	5	99.4	1.1	1.1	0.12	2.3	7.3	0.007	0.31	4.8	8.5	8.2	112	151
105J_1989_3212	0	5.8	4	116.1	1.0	1.2	0.11	2.5	8.4	0.007	0.29	5.0	10.0	8.1	118	161
105J_1989_3213	0	5.8	6	115.9	1.1	1.4	0.12	1.9	7.6	0.005	0.41	6.1	13.0	10.2	160	222
105J_1989_3214	0	6.3	4	89.9	1.4	1.4	0.13	2.4	8.7	0.005	0.28	4.1	9.5	7.9	101	125
105J_1989_3215	0	5.9	4	58.8	1.7	1.3	0.08	3.2	9.1	0.003	0.26	2.7	7.6	6.9	63	82
105J_1989_3216	0	5.6	4	92.7	1.0	0.7	0.12	1.6	8.1	0.005	0.23	3.2	7.1	6.7	85	124
105J_1989_3217	0	6.1	5	78.3	1.4	0.9	0.08	2.8	8.9	0.004	0.24	3.9	8.2	7.8	72	100
105J_1989_3218	0	6.0	3	100.8	1.0	1.0	0.15	1.8	7.4	0.005	0.22	6.0	10.0	9.3	95	161
105J_1989_3219	0	5.6	4	117.8	0.8	0.8	0.07	3.2	7.4	0.006	0.21	3.5	7.2	6.5	85	156
105J_1989_3220	0	5.8	2	75.8	0.7	0.9	0.10	1.9	6.5	0.005	0.29	8.1	13.0	12.1	128	199
105J_1989_3222	0	5.6	1	63.9	0.8	0.8	0.13	0.8	5.5	0.003	0.20	6.4	12.0	11.1	156	193
105J_1989_3223	0	5.6	3	91.2	0.7	0.8	0.07	3.9	9.2	0.005	0.38	5.1	9.3	8.9	98	145
105J_1989_3224	1	4.8	5	73.5	0.9	0.8	0.10	2.4	7.6	0.005	0.31	4.5	7.9	6.9	90	158
105J_1989_3225	2	4.4	3	68.7	0.9	0.6	0.07	2.2	6.7	0.005	0.31	4.3	7.1	7.0	106	157
105J_1989_3226	0	5.0	3	63.3	0.9	0.7	0.05	1.5	7.1	0.006	0.25	3.9	7.1	6.4	81	121
105J_1989_3227	0	4.7	4	61.1	0.9	0.7	0.07	3.7	8.2	0.010	0.18	1.4	4.3	3.4	39	51
105J_1989_3228	0	4.6	5	47.1	0.9	0.6	0.08	3.2	8.3	0.010	0.19	2.1	4.9	4.2	46	59
105J_1989_3229	0	4.1	6	51.2	0.9	<0.5	0.05	2.6	6.8	0.006	0.14	1.0	3.2	2.8	37	43
105J_1989_3230	0	5.1	2	52.9	1.0	0.7	0.09	3.3	8.8	0.004	0.25	2.0	5.4	4.7	44	52

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_3195	0	<0.1	<1	27.92	3	2335	2154.6
105J_1989_3196	0	<0.1	1	20.16	3	680	636.7
105J_1989_3197	0	<0.1	2	36.42	3	791	708.7
105J_1989_3198	0	<0.1	<1	27.83	3	420	403.7
105J_1989_3199	0	<0.1	<1	30.48	3	479	471.1
105J_1989_3200	0	<0.1	<1	39.95	3	1110	1125.6
105J_1989_3202	0	<0.1	<1	27.91	3	344	347.0
105J_1989_3203	0	<0.1	2	29.41	3	698	611.7
105J_1989_3204	1	<0.1	1	20.05	3	464	425.9
105J_1989_3205	2	<0.1	<1	38.25	3	472	442.9
105J_1989_3207	0	<0.1	2	34.49	3	326	296.5
105J_1989_3208	0	0.3	2	25.35	4	412	403.6
105J_1989_3209	0	0.1	1	37.89	4	973	922.4
105J_1989_3210	0	0.2	<1	38.46	4	1410	1486.4
105J_1989_3211	0	0.3	1	28.81	3	942	892.5
105J_1989_3212	0	0.4	3	39.39	3	650	632.7
105J_1989_3213	0	0.1	<1	46.54	3	854	806.2
105J_1989_3214	0	0.1	1	35.90	3	406	396.1
105J_1989_3215	0	<0.1	<1	40.13	3	283	266.5
105J_1989_3216	0	0.1	2	38.36	3	457	428.0
105J_1989_3217	0	<0.1	2	29.40	3	569	578.4
105J_1989_3218	0	<0.1	1	36.10	3	533	516.2
105J_1989_3219	0	0.1	1	55.70	2	309	291.2
105J_1989_3220	0	<0.1	2	34.32	3	453	433.2
105J_1989_3222	0	<0.1	2	36.78	3	62	56.2
105J_1989_3223	0	<0.1	<1	24.19	2	446	435.0
105J_1989_3224	1	<0.1	1	18.16	<2	337	348.9
105J_1989_3225	2	<0.1	1	33.75	2	321	326.6
105J_1989_3226	0	<0.1	1	41.32	2	236	235.4
105J_1989_3227	0	0.1	2	52.30	<2	150	147.6
105J_1989_3228	0	<0.1	1	42.69	2	244	232.0
105J_1989_3229	0	<0.1	<1	32.80	<2	124	117.3
105J_1989_3230	0	<0.1	2	50.88	2	174	169.7

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_3231	0	<0.2	345	0.99	5	8.5	10.0	3			6	864.9	2700	0.20	2.0	0.29
105J_1989_3232	0	0.2	410	0.81	5	6.6	9.1	5			5	709.4	2700	0.14	1.9	0.42
105J_1989_3233	0	0.2	319	0.83	4	6.8	8.5	4			6	506.4	2200	0.17	6.0	0.76
105J_1989_3234	0	0.3	264	0.96	3	3.6	5.0	6			5	371.6	2200	0.11	3.9	0.92
105J_1989_3235	0	0.4	342	1.16	5	7.1	10.0	10			7	623.3	4000	0.12	1.8	0.37
105J_1989_3236	0	<0.2	160	0.89	3	3.6	5.3	2			4	455.7	2600	0.07	11.0	0.63
105J_1989_3238	0	0.2	207	0.80	1	1.5	2.8	3			5	283.4	1500	0.13	11.0	1.06
105J_1989_3239	0	<0.2	131	0.27	6	9.6	10.0	2			11	350.2	540	0.06	36.0	3.01
105J_1989_3240	0	0.2	246	1.24	5	10.6	13.0	8			6	434.5	1900	0.14	18.0	1.04
105J_1989_3242	0	0.6	745	1.64	15	26.4	29.0	8			3	203.2	1700	0.37	7.6	0.62
105J_1989_3243	1	0.3	386	0.72	8	14.2	18.0	6			4	1011.0	3600	0.20	1.8	0.38
105J_1989_3244	2	0.4	342	0.69	10	14.3	18.0	4			6	1000.6	3600	0.19	1.7	0.36
105J_1989_3245	0	<0.2	320	0.83	9	13.8	17.0	7			5	693.6	2800	0.20	2.8	0.48
105J_1989_3246	0	0.3	215	0.82	52	58.7	69.9	7			2	454.6	2700	0.22	2.7	0.40
105J_1989_3247	0	<0.2	193	0.26	2	1.5	3.0	<2			17	71.1	810	0.05	19.0	3.13
105J_1989_3248	0	0.2	363	1.29	14	22.6	26.0	<2			2	418.3	2800	0.26	3.5	0.31
105J_1989_3249	0	0.5	482	1.41	8	10.0	13.0	5			3	526.1	3400	0.21	2.3	0.41
105J_1989_3251	0	0.2	404	0.79	6	8.7	11.0	5			4	485.4	2200	0.27	10.0	0.50
105J_1989_3252	0	<0.2	184	0.97	6	8.2	11.0	4			4	231.8	1600	0.23	2.8	0.52
105J_1989_3253	0	0.5	620	0.94	6	10.0	12.0	4			6	297.9	1500	0.20	10.0	1.30
105J_1989_3254	0	<0.2	156	0.90	5	7.2	9.2	3			3	223.9	1300	0.41	4.9	0.44
105J_1989_3255	0	<0.2	297	0.94	3	5.3	7.9	6			5	303.3	2000	0.17	3.9	0.52
105J_1989_3256	0	<0.2	287	1.25	7	15.4	16.0	6			4	261.8	930	0.25	8.0	0.91
105J_1989_3257	0	<0.2	72	1.14	5	7.7	10.0	3			4	140.8	840	0.18	1.9	0.45
105J_1989_3258	0	<0.2	116	0.80	2	3.4	4.8	4			12	250.0	960	0.15	8.5	2.92
105J_1989_3259	0	<0.2	101	0.81	4	5.6	7.6	<2			6	354.4	1300	0.18	3.4	0.57
105J_1989_3260	0	<0.2	229	0.93	7	12.7	14.0	<2			7	272.2	1300	0.23	11.0	1.42
105J_1989_3262	0	<0.2	44	0.61	2	2.7	4.0	<2			6	183.8	950	0.13	5.1	0.52
105J_1989_3263	0	<0.2	151	0.80	9	14.8	17.0	3			5	335.6	1600	0.23	2.0	0.50
105J_1989_3264	0	<0.2	177	1.14	9	14.5	15.0	3			6	271.7	1400	0.38	11.0	0.62
105J_1989_3265	0	<0.2	204	0.89	6	9.5	11.0	5			4	580.4	2300	0.21	3.4	0.46
105J_1989_3266	0	0.4	370	0.94	4	5.4	7.6	8			2	283.5	1700	0.23	3.0	0.62
105J_1989_3267	0	<0.2	325	0.61	5	7.4	7.6	<2			5	151.0	510	0.13	17.0	1.88

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_3231	0	1.6	1.74	75	10	10.0	12	16.6	73	5.4	38	35.77	<1	404	2.37	2.34	3.3
105J_1989_3232	0	2.9	3.05	64	8	6.8	9	16.8	81	4.8	36	34.50	1	512	1.61	1.42	2.4
105J_1989_3233	0	0.4	0.99	60	7	7.1	8	13.3	72	4.8	36	36.98	<1	528	2.63	2.35	3.1
105J_1989_3234	0	0.8	1.05	67	7	6.1	9	15.1	58	3.8	34	31.36	<1	633	1.69	1.49	2.2
105J_1989_3235	0	0.5	0.97	46	9	7.2	11	18.7	54	5.3	41	40.92	<1	575	1.79	1.75	2.7
105J_1989_3236	0	<0.2	0.40	62	6	4.6	7	12.7	51	3.3	14	13.53	<1	566	1.79	1.62	2.7
105J_1989_3238	0	1.1	1.34	51	5	5.2	8	11.0	60	3.0	24	22.67	<1	403	0.94	0.83	1.5
105J_1989_3239	0	1.3	1.57	11	10	10.8	12	3.4	<20	<0.5	29	25.56	<1	71	2.06	2.57	3.0
105J_1989_3240	0	0.4	0.96	66	11	11.0	14	21.6	45	7.8	37	36.50	<1	578	4.13	3.97	5.3
105J_1989_3242	0	1.6	2.24	87	11	11.4	13	18.0	68	20.0	40	39.57	2	408	3.03	3.10	3.9
105J_1989_3243	1	1.9	2.12	77	14	11.3	14	16.0	65	6.3	39	40.99	<1	415	2.15	2.15	3.1
105J_1989_3244	2	1.6	1.93	75	9	8.9	12	14.9	71	6.1	38	39.43	<1	485	2.13	2.09	3.0
105J_1989_3245	0	1.3	1.42	74	10	9.6	12	15.0	61	7.1	37	34.67	<1	463	2.32	2.21	2.9
105J_1989_3246	0	0.4	1.08	68	13	11.2	12	13.5	67	8.5	30	28.64	<1	407	2.31	2.36	2.8
105J_1989_3247	0	0.6	1.20	18	4	4.0	5	4.0	<20	1.3	36	34.49	<1	144	0.86	1.05	1.2
105J_1989_3248	0	5.8	5.53	98	25	25.3	31	16.6	68	10.0	40	39.37	1	486	3.13	3.19	4.4
105J_1989_3249	0	1.2	1.45	97	11	9.6	15	19.7	82	15.0	51	50.30	1	473	2.23	1.86	2.9
105J_1989_3251	0	0.3	0.81	100	9	8.2	12	13.4	63	4.2	31	30.01	<1	460	2.24	2.32	3.5
105J_1989_3252	0	0.4	0.69	75	10	10.4	16	18.7	71	5.3	30	29.79	<1	388	2.36	2.35	3.5
105J_1989_3253	0	4.1	3.94	54	9	9.8	12	13.1	65	5.1	49	48.64	<1	370	2.47	2.41	3.0
105J_1989_3254	0	0.2	0.63	85	11	8.9	14	19.2	77	4.8	32	32.65	<1	274	1.95	1.84	2.7
105J_1989_3255	0	0.4	0.89	66	10	9.1	13	15.5	76	5.6	26	25.60	<1	340	2.11	1.97	3.5
105J_1989_3256	0	1.4	1.66	53	7	6.7	9	17.8	35	5.0	54	55.17	<1	325	3.65	3.71	4.5
105J_1989_3257	0	<0.2	0.26	77	13	12.9	17	20.1	69	5.6	23	23.60	<1	396	2.53	2.64	3.6
105J_1989_3258	0	<0.2	0.63	52	11	12.9	15	16.3	49	3.3	27	24.91	<1	233	2.39	2.79	3.4
105J_1989_3259	0	<0.2	0.50	93	15	13.4	19	19.3	92	4.6	27	25.55	<1	331	2.52	2.57	3.9
105J_1989_3260	0	0.4	0.89	87	14	14.5	18	18.4	62	9.3	36	34.59	<1	349	2.96	3.01	3.9
105J_1989_3262	0	<0.2	0.21	59	9	8.7	13	15.3	72	2.8	14	13.85	<1	289	2.04	1.99	3.1
105J_1989_3263	0	<0.2	0.71	88	15	13.7	17	18.8	66	3.7	31	31.76	<1	350	2.85	2.79	4.0
105J_1989_3264	0	0.9	1.30	69	13	12.7	16	20.4	67	5.0	43	42.99	<1	392	2.70	2.72	3.5
105J_1989_3265	0	0.4	0.68	84	10	9.2	11	16.8	84	5.6	40	36.19	1	390	2.36	2.32	3.2
105J_1989_3266	0	1.6	1.73	91	10	9.4	11	15.4	77	5.8	52	53.82	<1	370	1.59	1.46	2.1
105J_1989_3267	0	1.9	2.19	47	2	2.4	8	5.1	<20	3.7	63	64.09	1	241	0.44	0.48	1.3

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_3231	0	3.0	4	187	210	0.18	10.2	31	8.1	<0.2	0.32	507	566	<2	1.99	2
105J_1989_3232	0	2.8	4	235	297	0.16	9.1	32	8.0	<0.2	0.25	453	457	<2	3.51	4
105J_1989_3233	0	2.4	3	374	440	0.17	9.3	31	14.2	<0.2	0.32	289	278	<2	1.75	2
105J_1989_3234	0	3.0	4	164	173	0.15	13.3	30	13.3	<0.2	0.46	272	247	<2	1.01	1
105J_1989_3235	0	3.9	3	151	146	0.23	14.4	28	6.7	<0.2	0.47	454	509	<2	2.54	4
105J_1989_3236	0	2.7	3	79	81	0.12	10.4	32	12.4	<0.2	0.34	566	523	<2	0.42	<1
105J_1989_3238	0	2.1	3	112	127	0.11	8.4	24	24.2	<0.2	0.25	190	176	<2	0.21	<1
105J_1989_3239	0	0.5	<1	135	126	0.07	1.6	4	76.4	<0.2	0.40	7429	4846	<2	1.03	2
105J_1989_3240	0	3.9	3	101	86	0.14	19.3	33	19.4	<0.2	0.77	2116	1964	<2	1.46	1
105J_1989_3242	0	5.1	4	61	62	0.14	35.3	50	10.9	<0.2	0.59	346	399	<2	1.70	<1
105J_1989_3243	1	2.3	5	187	221	0.13	12.1	36	6.9	<0.2	0.19	376	410	<2	3.52	3
105J_1989_3244	2	2.3	5	176	207	0.13	11.9	37	6.2	<0.2	0.18	307	349	<2	3.43	4
105J_1989_3245	0	2.6	5	119	126	0.14	15.8	34	6.7	<0.2	0.37	412	457	<2	2.35	2
105J_1989_3246	0	2.6	6	72	65	0.11	17.3	38	5.8	<0.2	0.33	430	474	<2	1.77	<1
105J_1989_3247	0	0.6	<1	112	110	0.03	1.4	7	69.2	<0.2	0.37	4674	3442	<2	1.03	2
105J_1989_3248	0	3.3	5	68	78	0.14	24.7	47	9.6	<0.2	0.37	724	821	<2	2.75	2
105J_1989_3249	0	4.1	4	47	44	0.16	27.5	46	10.2	<0.2	0.51	170	183	<2	2.41	2
105J_1989_3251	0	2.4	5	94	97	0.10	13.7	46	9.8	<0.2	0.33	324	364	<2	1.20	<1
105J_1989_3252	0	3.3	5	79	88	0.17	13.3	37	8.5	<0.2	0.39	417	464	<2	0.92	<1
105J_1989_3253	0	2.4	3	76	76	0.11	13.5	25	25.1	<0.2	0.32	875	760	<2	1.24	<1
105J_1989_3254	0	3.0	6	76	87	0.15	14.4	35	8.2	<0.2	0.33	122	133	<2	1.22	<1
105J_1989_3255	0	2.7	4	97	109	0.11	8.7	34	9.7	<0.2	0.30	626	623	<2	0.98	<1
105J_1989_3256	0	3.0	3	169	170	0.09	14.0	30	27.4	<0.2	0.28	181	193	<2	0.90	<1
105J_1989_3257	0	3.8	5	54	37	0.18	23.2	40	7.4	<0.2	0.50	253	291	<2	0.46	<1
105J_1989_3258	0	2.7	3	90	100	0.15	6.4	24	25.3	<0.2	0.41	1181	1186	<2	0.41	<1
105J_1989_3259	0	2.8	8	72	65	0.15	12.7	40	7.1	<0.2	0.40	636	701	<2	0.87	<1
105J_1989_3260	0	3.2	3	104	114	0.17	13.9	36	22.4	<0.2	0.41	2050	1912	<2	0.83	<1
105J_1989_3262	0	2.2	5	295	71	0.10	7.2	30	8.6	<0.2	0.29	787	776	<2	0.37	<1
105J_1989_3263	0	3.0	7	86	96	0.15	13.7	40	6.9	<0.2	0.35	209	252	<2	1.47	<1
105J_1989_3264	0	3.8	4	76	63	0.19	13.3	32	10.6	<0.2	0.48	1132	1282	<2	1.45	1
105J_1989_3265	0	2.9	7	104	97	0.14	16.1	42	7.1	<0.2	0.41	121	144	<2	1.40	<1
105J_1989_3266	0	2.5	4	176	208	0.13	16.9	40	13.1	<0.2	0.33	249	242	2	2.35	2
105J_1989_3267	0	1.0	2	101	113	0.03	21.8	31	41.6	<0.2	0.13	421	409	<2	1.04	1

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_3231	0	0.009	0.59	33	31.8	0.095	12	10.92	85	0.09	1.5	1.18	2.3	2.9	9.5	1.6
105J_1989_3232	0	0.009	0.55	32	31.5	0.108	9	8.16	77	0.04	2.0	1.76	3.5	2.3	8.4	2.8
105J_1989_3233	0	0.010	0.55	34	32.5	0.093	12	9.77	89	0.07	1.2	1.12	1.9	3.3	10.0	2.1
105J_1989_3234	0	0.010	0.69	22	19.8	0.108	10	7.67	73	0.04	0.9	0.89	1.4	2.9	8.6	1.0
105J_1989_3235	0	0.008	0.47	26	25.1	0.123	9	7.97	110	0.02	1.5	1.29	2.7	2.6	7.8	1.0
105J_1989_3236	0	0.007	0.63	16	16.4	0.150	6	4.69	81	0.11	0.4	0.32	0.7	1.5	7.9	1.1
105J_1989_3238	0	0.012	0.60	13	14.0	0.103	9	7.33	65	0.27	0.3	0.37	0.6	1.5	6.8	1.1
105J_1989_3239	0	0.006	0.08	15	17.9	0.152	7	2.51	9	0.48	0.5	0.90	0.9	0.6	1.6	1.8
105J_1989_3240	0	0.011	0.71	28	27.0	0.123	14	10.88	75	0.11	1.3	1.49	2.4	4.0	11.0	2.3
105J_1989_3242	0	0.011	0.65	34	33.8	0.104	36	35.06	140	0.04	2.1	1.71	3.3	4.8	15.0	1.6
105J_1989_3243	1	0.008	0.52	41	40.8	0.105	14	12.25	86	0.03	3.2	2.53	4.6	2.6	9.0	2.6
105J_1989_3244	2	0.008	0.50	37	37.1	0.105	12	11.60	85	0.01	3.0	2.49	4.6	2.4	8.9	2.1
105J_1989_3245	0	0.008	0.44	31	29.8	0.103	17	14.09	90	0.06	3.0	2.26	4.1	2.7	8.7	2.1
105J_1989_3246	0	0.006	0.46	34	32.4	0.088	16	13.59	97	0.06	5.0	3.68	7.1	2.6	9.1	1.1
105J_1989_3247	0	0.011	0.34	32	29.6	0.078	6	2.67	19	1.21	0.8	1.31	1.5	0.8	2.4	4.2
105J_1989_3248	0	0.010	0.82	59	58.7	0.084	22	18.74	120	0.06	2.1	1.98	3.7	2.9	13.0	2.5
105J_1989_3249	0	0.011	0.83	34	34.8	0.128	22	20.64	110	0.06	1.3	1.30	2.5	2.6	12.0	2.6
105J_1989_3251	0	0.017	0.73	25	24.7	0.105	17	14.17	95	0.04	0.9	0.95	1.7	2.1	11.0	1.1
105J_1989_3252	0	0.012	0.90	29	27.8	0.082	15	13.90	98	0.03	1.0	0.93	1.8	2.9	11.0	1.3
105J_1989_3253	0	0.019	0.88	43	42.9	0.085	14	12.70	65	0.14	0.7	0.85	1.3	2.3	8.2	8.1
105J_1989_3254	0	0.011	0.72	24	24.0	0.079	22	17.30	83	0.05	1.3	1.41	2.2	3.0	10.0	1.7
105J_1989_3255	0	0.013	1.00	27	25.3	0.076	14	12.25	88	0.03	0.9	0.61	1.5	2.7	12.0	1.0
105J_1989_3256	0	0.018	0.94	25	26.3	0.108	10	9.72	62	0.62	0.7	0.71	1.0	3.5	8.2	2.9
105J_1989_3257	0	0.010	0.68	25	26.7	0.069	18	14.31	110	0.03	0.8	0.62	1.3	2.9	11.0	0.6
105J_1989_3258	0	0.106	0.79	23	22.5	0.064	13	10.41	70	0.39	0.3	0.39	0.7	2.7	7.6	0.5
105J_1989_3259	0	0.013	0.85	27	26.9	0.068	17	14.00	96	0.06	0.7	0.70	1.4	3.2	11.0	0.6
105J_1989_3260	0	0.012	0.68	33	30.8	0.074	24	19.91	110	0.15	1.0	1.13	2.0	3.2	10.0	1.7
105J_1989_3262	0	0.013	0.89	20	19.6	0.049	12	11.12	76	0.04	0.3	0.27	0.6	2.1	9.4	<0.1
105J_1989_3263	0	0.012	0.77	28	27.8	0.081	19	16.50	85	0.07	1.3	1.24	2.1	3.1	11.0	1.0
105J_1989_3264	0	0.019	0.72	31	31.2	0.083	24	21.81	87	0.05	1.2	1.31	2.0	3.2	9.4	1.6
105J_1989_3265	0	0.011	0.65	30	26.2	0.101	18	14.13	95	0.05	1.5	1.53	2.4	3.0	10.0	1.1
105J_1989_3266	0	0.010	0.66	43	43.9	0.081	17	15.88	94	0.12	1.8	2.03	3.1	2.9	10.0	1.9
105J_1989_3267	0	0.045	1.40	17	17.2	0.099	6	5.04	28	0.48	1.3	2.01	2.0	0.9	4.5	2.0

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_3231	0	4.6	2	47.1	0.9	<0.5	0.07	3.6	8.8	0.005	0.28	1.4	4.3	3.7	44	54
105J_1989_3232	0	4.4	4	43.1	0.8	0.6	0.08	2.5	7.8	0.005	0.30	2.1	4.9	4.5	67	91
105J_1989_3233	0	4.3	5	54.3	1.0	<0.5	0.05	3.1	8.9	0.003	0.25	1.6	4.4	4.2	36	49
105J_1989_3234	0	4.1	6	64.4	1.1	<0.5	0.05	2.7	7.9	0.006	0.18	0.9	3.5	3.1	35	44
105J_1989_3235	0	4.5	4	51.9	1.0	0.6	0.07	3.2	8.4	0.007	0.23	2.1	6.0	4.7	48	74
105J_1989_3236	0	4.7	4	70.1	0.7	0.5	0.04	2.3	7.2	0.006	0.14	1.6	4.0	3.4	31	43
105J_1989_3238	0	3.2	1	96.2	0.6	<0.5	0.02	1.9	6.3	0.005	0.13	2.2	4.2	4.5	26	30
105J_1989_3239	0	0.6	15	218.2	<0.5	<0.5	0.03	0.3	1.3	0.002	0.05	3.1	3.5	3.8	15	11
105J_1989_3240	0	4.6	10	63.1	1.1	0.5	0.04	2.9	8.2	0.011	0.15	0.8	3.0	3.3	37	42
105J_1989_3242	0	8.3	7	40.6	1.5	1.0	0.04	4.7	12.0	0.017	0.23	1.4	4.5	4.4	44	46
105J_1989_3243	1	5.7	3	55.1	0.9	0.7	0.04	3.5	10.0	0.005	0.22	2.0	5.4	5.1	57	70
105J_1989_3244	2	5.5	5	54.2	1.0	0.7	0.07	3.5	10.0	0.005	0.20	1.9	5.1	4.5	56	68
105J_1989_3245	0	5.3	5	51.2	0.9	0.6	0.03	3.8	9.1	0.008	0.16	1.3	4.2	3.9	46	54
105J_1989_3246	0	6.2	7	50.6	0.9	0.6	0.05	4.2	11.0	0.006	0.14	1.1	4.5	4.0	35	41
105J_1989_3247	0	1.0	18	170.6	<0.5	<0.5	<0.02	0.4	2.1	0.003	0.08	2.0	2.7	2.8	18	9
105J_1989_3248	0	7.4	5	42.5	1.0	1.1	0.04	5.7	12.0	0.009	0.20	1.9	5.3	5.1	36	42
105J_1989_3249	0	7.1	7	51.8	1.1	1.0	0.03	3.2	11.0	0.011	0.29	2.6	6.2	5.8	52	80
105J_1989_3251	0	6.5	6	48.4	1.1	0.8	0.04	3.5	12.0	0.008	0.13	1.0	3.8	3.7	32	38
105J_1989_3252	0	5.2	3	57.9	1.1	0.6	0.05	3.5	10.0	0.030	0.16	0.8	3.4	3.4	31	35
105J_1989_3253	0	3.8	10	130.2	0.7	<0.5	0.05	2.1	6.8	0.008	0.16	1.8	3.8	4.1	23	25
105J_1989_3254	0	5.1	4	38.3	1.1	0.7	0.02	3.3	11.0	0.024	0.14	1.0	3.7	3.5	30	34
105J_1989_3255	0	4.9	7	43.3	0.9	0.7	0.02	2.3	9.4	0.008	0.12	0.9	3.8	3.3	29	33
105J_1989_3256	0	4.3	8	66.1	<0.5	0.6	0.02	1.9	7.3	0.011	0.25	4.0	5.8	5.7	26	30
105J_1989_3257	0	5.9	5	34.0	1.1	0.8	0.05	4.7	13.0	0.013	0.14	0.6	3.7	3.4	29	27
105J_1989_3258	0	3.9	16	178.5	0.9	<0.5	<0.02	2.0	8.6	0.019	0.10	0.9	3.1	2.9	29	23
105J_1989_3259	0	6.0	3	51.8	1.3	0.8	<0.02	4.3	14.0	0.034	0.11	0.7	4.1	3.6	30	30
105J_1989_3260	0	5.0	13	107.8	1.2	0.6	0.03	3.4	11.0	0.010	0.20	1.1	3.6	3.7	28	27
105J_1989_3262	0	4.2	6	48.4	1.0	0.5	0.04	2.6	9.4	0.021	0.08	0.4	2.5	2.3	24	24
105J_1989_3263	0	5.7	6	40.7	1.3	0.7	0.08	4.3	12.0	0.031	0.12	0.8	4.3	3.9	34	33
105J_1989_3264	0	4.8	4	51.1	0.8	0.7	0.04	3.0	9.1	0.033	0.19	1.3	3.8	3.8	43	45
105J_1989_3265	0	6.0	6	51.2	1.1	0.7	0.05	4.6	12.0	0.015	0.14	1.3	4.7	4.1	36	39
105J_1989_3266	0	5.5	5	57.8	1.0	0.8	0.05	5.0	12.0	0.004	0.19	2.9	6.2	6.3	46	63
105J_1989_3267	0	4.4	10	138.7	<0.5	0.7	0.04	0.5	5.5	0.012	0.07	12.7	14.0	15.0	14	7

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_3231	0	0.2	2	18.56	2	190	182.3
105J_1989_3232	0	0.1	1	43.57	<2	275	255.3
105J_1989_3233	0	<0.1	<1	29.28	2	139	130.9
105J_1989_3234	0	<0.1	<1	34.25	<2	120	108.2
105J_1989_3235	0	<0.1	<1	45.40	<2	129	127.6
105J_1989_3236	0	<0.1	1	37.78	<2	105	99.7
105J_1989_3238	0	<0.1	<1	23.25	<2	112	103.5
105J_1989_3239	0	<0.1	<1	15.55	<2	100	90.6
105J_1989_3240	0	<0.1	<1	23.79	3	143	123.6
105J_1989_3242	0	<0.1	3	31.22	3	276	264.2
105J_1989_3243	1	0.3	1	23.73	2	231	218.6
105J_1989_3244	2	0.2	1	45.46	<2	204	205.3
105J_1989_3245	0	0.4	2	33.05	<2	174	170.7
105J_1989_3246	0	<0.1	2	45.69	2	176	177.3
105J_1989_3247	0	<0.1	<1	16.57	<2	102	92.5
105J_1989_3248	0	0.1	1	33.99	4	299	288.8
105J_1989_3249	0	0.1	2	35.33	3	163	167.7
105J_1989_3251	0	0.1	<1	37.51	3	128	126.1
105J_1989_3252	0	<0.1	1	39.85	3	115	105.3
105J_1989_3253	0	<0.1	<1	22.81	<2	230	211.8
105J_1989_3254	0	0.4	1	32.44	2	113	110.8
105J_1989_3255	0	<0.1	<1	36.09	2	123	114.4
105J_1989_3256	0	<0.1	<1	20.28	<2	142	141.0
105J_1989_3257	0	<0.1	2	39.12	2	81	77.8
105J_1989_3258	0	<0.1	1	13.73	<2	102	95.0
105J_1989_3259	0	0.2	1	27.96	3	103	99.0
105J_1989_3260	0	<0.1	<1	20.99	2	125	115.8
105J_1989_3262	0	<0.1	<1	42.25	2	77	75.5
105J_1989_3263	0	<0.1	2	40.34	2	107	101.8
105J_1989_3264	0	0.1	<1	22.95	2	148	149.9
105J_1989_3265	0	0.2	2	36.68	2	132	125.4
105J_1989_3266	0	<0.1	1	29.64	3	262	251.5
105J_1989_3267	0	<0.1	<1	16.68	2	44	46.1

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_3268	1	<0.2	261	0.92	5	8.2	9.1	4			7	346.1	1300	0.14	8.0	1.22
105J_1989_3269	2	<0.2	443	0.93	5	7.9	8.5	<2			6	329.8	1300	0.14	8.5	1.24
105J_1989_3270	0	<0.2	185	1.08	5	6.0	8.4	<2			2	391.3	1900	0.15	2.4	0.60
105J_1989_3271	0	<0.2	229	0.61	45	63.9	52.9	<2			6	525.6	520	0.07	35.0	2.98
105J_1989_3272	0	<0.2	353	0.96	13	20.1	21.0	3			2	464.3	1200	0.37	8.6	1.53
105J_1989_3273	0	0.2	343	0.81	2	2.9	4.4	3			5	486.3	1700	0.12	7.1	1.03
105J_1989_3274	0	<0.2	107	0.33	<1	0.8	1.2	<2			9	277.5	550	0.03	20.0	2.80
105J_1989_3275	0	0.3	323	1.50	4	5.0	7.0	<2			3	521.5	1300	0.13	16.0	1.48
105J_1989_3276	0	0.3	286	0.72	6	7.2	10.0	5			3	618.0	3400	0.13	3.2	0.62
105J_1989_3277	0	0.4	407	0.79	5	6.7	9.3	6			4	672.5	2900	0.13	4.9	0.68
105J_1989_3278	0	0.2	261	0.51	7	10.4	14.0	<2			3	1022.7	5180	0.18	3.6	0.58
105J_1989_3279	0	0.7	676	0.97	13	17.7	22.0	6			4	757.1	2900	0.16	3.1	0.52
105J_1989_3282	0	1.2	1027	1.22	14	23.0	26.0	10	10	21.65	3	655.2	2300	0.22	3.5	0.70
105J_1989_3283	1	1.0	914	0.81	5	9.3	13.0	8	10	4.49	2	449.7	1700	0.13	3.2	0.65
105J_1989_3284	2	0.9	891	0.80	5	7.9	11.0	7	7	18.45	2	441.4	1700	0.13	4.4	0.76
105J_1989_3285	0	1.1	1212	0.67	2	0.6	2.9	6	5	9.76	4	444.4	760	0.04	21.0	1.81
105J_1989_3286	0	0.3	384	0.85	5	7.6	8.2	5	5	14.33	5	279.9	1600	0.12	7.7	1.42
105J_1989_3288	0	0.2	214	0.66	7	16.4	16.0	3	2	16.13	6	2656.1	3900	0.10	17.0	1.83
105J_1989_3289	0	0.2	390	0.70	8	13.6	15.0	8	10	20.38	4	760.4	4800	0.16	4.5	0.74
105J_1989_3290	0	1.2	1533	0.84	13	15.0	20.0	7	8	24.40	4	1473.8	19000	0.16	2.9	0.69
105J_1989_3291	0	0.5	540	1.00	7	9.1	11.0	20	7	26.56	5	648.8	2700	0.15	3.7	0.73
105J_1989_3292	0	0.2	351	0.65	7	9.2	11.0	8	6	38.82	4	861.0	5070	0.12	0.8	0.50
105J_1989_3293	0	0.2	294	0.74	2	2.4	3.2	4	6	17.05	4	496.0	1600	0.09	13.0	1.59
105J_1989_3294	0	0.3	485	0.84	5	5.5	7.1	7	7	33.29	5	753.3	3400	0.12	2.1	0.61
105J_1989_3295	0	0.2	310	0.79	3	4.9	6.8	3	4	20.80	2	486.6	1600	0.19	12.0	1.01
105J_1989_3296	0	<0.2	150	0.93	4	5.9	7.5	<2	<2	27.25	3	314.6	1400	0.22	3.7	0.55
105J_1989_3297	0	<0.2	158	0.89	4	5.6	7.0	<2	<2	23.48	3	262.1	970	0.24	8.7	0.70
105J_1989_3298	0	0.3	132	0.92	5	6.7	8.2	<2	3	13.99	3	309.2	1200	0.22	2.3	0.59
105J_1989_3299	0	0.2	210	0.70	<1	0.5	1.7	3	2	16.17	1	248.2	1000	0.18	6.5	0.94
105J_1989_3300	0	0.2	219	0.58	7	11.5	15.0	7	6	31.83	2	412.4	2300	0.22	1.5	0.58
105J_1989_3302	0	<0.2	131	1.02	1	1.9	2.8	<2			10	370.8	1000	0.13	11.0	1.46
105J_1989_3303	0	<0.2	155	0.58	2	2.3	3.6	<2			10	255.8	1100	0.12	25.0	2.80
105J_1989_3304	1	0.6	355	0.81	14	19.1	24.0	15	15	5.68	5	242.8	9970	0.22	<0.5	1.01

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_3268	1	0.6	1.15	46	4	5.6	<5	11.0	27	3.9	22	22.07	<1	306	1.47	1.41	2.1
105J_1989_3269	2	0.5	1.09	49	8	4.9	7	10.9	39	4.2	21	22.19	<1	295	1.34	1.33	1.7
105J_1989_3270	0	0.2	0.64	66	9	8.7	11	17.4	54	5.9	18	19.65	<1	340	1.99	1.95	2.6
105J_1989_3271	0	3.5	3.93	15	12	17.2	16	4.8	<20	0.7	23	25.25	<1	96	3.30	4.72	4.8
105J_1989_3272	0	1.0	1.35	72	10	9.3	11	13.8	44	10.0	31	34.91	<1	258	1.85	1.90	2.5
105J_1989_3273	0	0.8	1.36	51	6	4.9	8	13.2	43	3.5	28	30.53	<1	408	1.13	1.12	2.1
105J_1989_3274	0	0.3	0.59	24	3	1.2	<5	4.6	<20	1.1	14	15.18	<1	130	0.53	0.46	0.9
105J_1989_3275	0	1.8	2.01	69	6	5.0	8	8.6	25	3.3	18	17.51	<1	262	1.92	1.76	3.0
105J_1989_3276	0	1.4	1.38	76	7	7.2	11	13.4	79	5.6	30	29.79	<1	481	1.76	1.64	2.7
105J_1989_3277	0	1.5	1.78	70	9	8.3	10	14.5	77	5.8	32	32.73	<1	467	1.66	1.64	2.5
105J_1989_3278	0	0.9	1.30	71	11	11.3	16	9.8	95	9.3	32	34.61	<1	439	2.69	2.80	4.3
105J_1989_3279	0	3.1	3.48	61	9	9.6	12	19.1	80	10.0	39	41.78	<1	454	2.22	2.28	3.1
105J_1989_3282	0	9.1	10.16	59	9	9.6	7	22.1	99	6.0	58	67.85	<1	478	3.26	3.52	3.5
105J_1989_3283	1	4.2	4.89	73	9	8.8	9	14.6	95	4.4	40	45.96	<1	366	1.60	1.38	2.0
105J_1989_3284	2	4.2	4.96	46	8	7.7	8	14.1	73	4.6	39	45.49	<1	364	1.57	1.42	2.0
105J_1989_3285	0	2.5	2.64	31	4	2.3	6	7.1	38	1.0	47	47.98	<1	156	0.81	0.78	1.0
105J_1989_3286	0	2.3	3.06	55	17	17.4	18	14.0	53	2.7	38	44.62	<1	426	2.61	2.60	2.6
105J_1989_3288	0	1.0	1.84	44	16	17.1	16	9.2	47	1.5	20	20.81	<1	355	7.21	8.10	6.5
105J_1989_3289	0	1.9	2.64	79	11	11.6	12	15.3	65	4.3	38	45.34	<1	507	2.20	2.39	2.4
105J_1989_3290	0	5.1	7.20	53	9	9.7	8	27.4	110	4.2	63	67.32	<1	580	2.10	2.14	2.5
105J_1989_3291	0	1.7	2.12	66	10	8.9	10	19.0	74	3.9	43	44.31	<1	512	2.11	1.96	2.2
105J_1989_3292	0	1.4	1.69	63	10	7.7	8	15.1	110	3.2	36	38.63	<1	530	1.67	1.67	2.1
105J_1989_3293	0	1.3	1.60	47	6	4.3	<5	10.9	38	2.6	19	18.96	<1	384	1.75	1.92	2.2
105J_1989_3294	0	1.2	1.48	65	11	8.8	9	17.6	100	3.9	45	47.49	<1	538	1.27	1.20	1.5
105J_1989_3295	0	1.4	1.57	72	15	14.5	14	10.2	65	6.1	30	30.01	<1	333	3.39	3.48	4.0
105J_1989_3296	0	<0.2	0.57	96	15	13.3	14	21.4	120	4.2	31	32.78	1	401	2.59	2.74	3.4
105J_1989_3297	0	<0.2	0.39	74	11	10.7	14	19.1	110	5.3	31	31.79	<1	325	2.75	2.58	3.3
105J_1989_3298	0	0.2	0.62	75	17	14.9	18	23.1	95	3.8	35	36.28	<1	358	2.70	2.76	3.1
105J_1989_3299	0	<0.2	0.45	62	5	4.2	<5	7.8	33	5.7	41	39.68	<1	228	0.81	0.69	1.0
105J_1989_3300	0	0.5	0.90	87	14	13.5	15	15.6	92	3.9	40	39.63	<1	432	2.41	2.64	3.1
105J_1989_3302	0	0.4	0.72	48	12	12.2	14	27.9	68	4.0	35	32.69	<1	244	2.99	3.04	4.0
105J_1989_3303	0	1.2	1.50	57	6	4.5	7	8.7	31	5.0	16	15.47	<1	297	0.99	1.41	2.1
105J_1989_3304	1	0.9	1.49	89	15	14.3	16	14.1	52	7.3	78	75.12	<1	695	3.29	3.48	3.7

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_3268	1	2.8	3	72	96	0.12	12.9	24	19.5	<0.2	0.28	1460	1395	<2	1.53	2
105J_1989_3269	2	2.7	2	72	81	0.11	12.4	23	20.1	<0.2	0.27	1361	1304	<2	1.48	1
105J_1989_3270	0	3.5	4	58	69	0.14	15.2	31	7.2	<0.2	0.40	544	616	<2	1.51	2
105J_1989_3271	0	0.7	<1	86	130	0.03	10.0	10	69.9	<0.2	0.16	7200	5594	5	9.82	8
105J_1989_3272	0	2.6	3	101	120	0.08	19.8	35	28.8	<0.2	0.28	1099	1065	<2	3.55	3
105J_1989_3273	0	2.5	3	94	136	0.12	9.4	25	25.9	<0.2	0.25	229	226	<2	1.09	1
105J_1989_3274	0	0.8	<1	54	56	0.03	2.5	8	64.5	<0.2	0.19	482	439	<2	0.66	2
105J_1989_3275	0	3.8	4	119	136	0.10	26.0	40	29.4	<0.2	0.29	3378	2424	<2	1.94	1
105J_1989_3276	0	2.1	5	133	154	0.12	10.3	34	7.8	<0.2	0.30	396	418	<2	2.40	3
105J_1989_3277	0	2.3	5	166	199	0.13	11.6	34	9.0	<0.2	0.31	175	209	<2	2.60	2
105J_1989_3278	0	1.4	4	122	150	0.12	5.3	35	11.3	<0.2	0.15	483	550	<2	3.40	3
105J_1989_3279	0	2.8	4	256	308	0.15	13.5	32	9.4	<0.2	0.31	642	744	4	5.28	5
105J_1989_3282	0	3.5	3	564	632	0.16	11.6	27	17.3	0.6	0.33	641	732	10	17.58	15
105J_1989_3283	1	2.1	3	744	841	0.08	6.9	22	21.4	0.3	0.22	197	197	2	3.70	4
105J_1989_3284	2	2.1	3	724	807	0.08	6.7	23	22.0	0.4	0.23	232	235	2	3.37	2
105J_1989_3285	0	0.7	1	526	677	0.05	11.5	15	49.2	0.3	0.22	109	105	<2	0.67	<1
105J_1989_3286	0	2.5	3	173	196	0.10	9.1	22	29.8	0.3	0.38	8692	5151	2	3.62	2
105J_1989_3288	0	2.3	3	104	146	0.09	7.9	16	27.2	<0.2	0.33	>20000	>10000	4	4.52	3
105J_1989_3289	0	2.3	6	139	190	0.13	11.8	30	7.0	0.4	0.41	1099	1596	2	3.72	3
105J_1989_3290	0	2.6	6	247	352	0.13	10.9	28	8.4	0.7	0.34	350	446	8	9.11	10
105J_1989_3291	0	3.0	4	191	238	0.17	12.6	25	11.2	0.5	0.39	1410	1562	2	2.48	2
105J_1989_3292	0	2.1	5	140	143	0.13	10.5	25	2.8	0.7	0.33	412	499	2	3.33	3
105J_1989_3293	0	2.1	4	130	151	0.09	9.2	19	37.6	0.2	0.38	1164	1135	<2	0.57	<1
105J_1989_3294	0	2.6	4	160	193	0.14	13.1	29	9.3	0.5	0.39	89	96	<2	1.64	<1
105J_1989_3295	0	2.1	4	173	204	0.11	9.0	29	20.8	0.4	0.21	5264	3897	<2	0.58	<1
105J_1989_3296	0	3.1	7	126	120	0.12	12.4	36	8.6	0.4	0.35	649	777	<2	1.39	<1
105J_1989_3297	0	2.9	5	140	160	0.11	9.4	31	14.1	0.5	0.27	968	899	<2	0.71	<1
105J_1989_3298	0	3.3	6	108	104	0.14	11.6	31	7.0	0.3	0.42	796	933	<2	1.20	<1
105J_1989_3299	0	1.7	3	70	74	0.07	6.8	26	21.9	<0.2	0.18	59	53	<2	0.17	<1
105J_1989_3300	0	2.0	6	133	156	0.10	10.8	32	4.6	0.5	0.39	581	649	<2	2.14	2
105J_1989_3302	0	3.1	2	142	130	0.10	5.6	21	33.1	<0.2	0.61	322	296	<2	0.23	<1
105J_1989_3303	0	1.5	3	108	107	0.10	6.7	23	26.0	<0.2	0.31	617	602	<2	0.43	<1
105J_1989_3304	1	2.6	4	151	173	0.17	14.4	41	1.8	<0.2	0.80	542	696	5	5.63	6

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_3268	1	0.038	1.20	14	16.1	0.089	12	10.20	61	0.09	0.8	0.84	1.3	2.1	7.0	0.9
105J_1989_3269	2	0.036	1.10	13	15.6	0.085	10	9.69	74	0.10	0.7	0.86	1.2	2.1	5.6	1.0
105J_1989_3270	0	0.017	0.69	19	21.2	0.106	13	11.62	96	0.05	0.8	0.73	1.4	2.4	8.4	1.0
105J_1989_3271	0	0.008	0.13	10	14.2	0.175	6	2.12	7	0.47	0.5	0.61	0.5	0.7	1.5	1.7
105J_1989_3272	0	0.019	0.94	20	22.9	0.104	19	16.72	66	0.20	0.5	0.65	0.9	2.2	7.5	1.5
105J_1989_3273	0	0.024	1.10	16	17.8	0.123	8	7.22	68	0.33	0.7	0.90	1.1	1.9	8.3	2.6
105J_1989_3274	0	0.018	0.59	5	5.6	0.123	4	1.95	19	0.62	0.2	0.33	0.4	0.7	1.8	1.5
105J_1989_3275	0	0.037	1.30	10	12.0	0.105	8	7.52	68	0.22	0.4	0.64	1.0	3.4	10.0	4.0
105J_1989_3276	0	0.007	0.53	27	26.6	0.127	12	9.93	83	0.08	1.5	1.40	2.5	2.4	9.3	1.8
105J_1989_3277	0	0.008	0.54	28	29.7	0.123	12	11.27	82	0.06	1.4	1.52	2.5	2.7	9.3	2.0
105J_1989_3278	0	0.006	0.41	42	45.1	0.095	12	11.50	130	0.13	1.5	1.41	2.5	3.5	13.0	2.9
105J_1989_3279	0	0.007	0.53	43	43.3	0.151	14	10.66	86	0.07	3.6	2.99	5.3	2.6	8.8	3.5
105J_1989_3282	0	0.007	0.41	64	71.2	0.226	14	13.97	88	0.13	8.0	6.54	9.3	3.7	8.8	20.7
105J_1989_3283	1	0.009	0.53	36	40.3	0.118	9	7.66	74	0.43	2.0	2.75	3.7	2.3	6.9	11.5
105J_1989_3284	2	0.009	0.56	34	37.1	0.111	9	7.32	72	0.37	1.7	2.67	3.5	2.2	7.2	11.4
105J_1989_3285	0	0.013	0.53	23	23.4	0.136	3	2.80	26	0.36	0.5	0.82	0.9	2.8	5.5	8.7
105J_1989_3286	0	0.009	0.42	32	34.5	0.118	9	7.75	64	1.01	0.8	1.50	1.6	2.6	6.0	5.9
105J_1989_3288	0	0.008	0.37	30	32.2	0.122	6	5.60	43	0.21	0.7	0.88	1.1	2.0	4.7	3.2
105J_1989_3289	0	0.005	0.35	36	41.5	0.169	10	10.80	84	0.10	2.1	2.40	3.4	2.6	6.6	2.0
105J_1989_3290	0	0.006	0.27	74	82.7	0.171	13	10.88	89	0.15	6.0	5.06	7.9	2.6	7.1	8.4
105J_1989_3291	0	0.007	0.40	33	34.2	0.128	11	8.77	79	0.09	1.3	1.44	2.2	2.7	7.5	2.1
105J_1989_3292	0	0.005	0.25	34	36.9	0.160	9	8.53	77	0.07	1.7	1.92	2.9	2.1	6.7	1.8
105J_1989_3293	0	0.008	0.49	14	15.1	0.142	9	6.18	56	0.40	0.2	0.46	0.6	1.5	5.2	1.6
105J_1989_3294	0	0.006	0.37	31	32.5	0.142	12	9.43	81	0.12	1.5	1.75	2.5	2.5	7.7	2.6
105J_1989_3295	0	0.009	0.62	26	26.5	0.081	16	12.86	130	0.17	0.5	0.45	0.8	3.2	10.0	2.6
105J_1989_3296	0	0.015	0.61	30	31.1	0.081	18	14.59	110	0.05	0.7	0.67	1.1	3.2	11.0	0.8
105J_1989_3297	0	0.009	0.73	25	24.6	0.081	18	16.45	110	0.08	0.7	0.66	1.0	3.1	11.0	1.1
105J_1989_3298	0	0.010	0.53	32	35.2	0.078	19	17.12	99	0.08	0.7	0.65	1.0	3.4	10.0	0.8
105J_1989_3299	0	0.022	1.00	14	13.3	0.070	16	13.67	92	0.25	0.2	0.34	0.6	1.9	5.8	0.9
105J_1989_3300	0	0.009	0.54	31	32.8	0.089	18	16.53	98	0.17	1.6	1.55	2.5	3.2	9.1	1.2
105J_1989_3302	0	0.021	0.88	37	35.6	0.080	13	9.43	73	0.40	0.2	0.29	0.4	4.3	9.3	2.2
105J_1989_3303	0	0.016	0.66	16	14.7	0.095	9	8.57	70	0.17	0.4	0.57	0.9	1.4	5.8	2.0
105J_1989_3304	1	0.005	0.25	40	41.3	0.152	19	16.28	95	0.58	3.6	3.47	6.0	3.3	7.7	2.9

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_3268	1	3.3	7	79.9	0.6	0.5	0.03	2.3	7.5	0.015	0.14	6.8	8.6	8.6	29	39
105J_1989_3269	2	3.2	9	81.0	0.9	<0.5	0.02	2.2	7.2	0.013	0.13	6.9	8.7	9.0	31	35
105J_1989_3270	0	4.9	8	54.9	1.0	0.6	<0.02	4.1	9.1	0.019	0.15	4.9	8.6	6.9	36	46
105J_1989_3271	0	1.4	14	182.7	<0.5	<0.5	0.06	0.7	2.2	0.005	0.05	16.7	14.0	14.8	25	27
105J_1989_3272	0	4.5	10	94.2	0.7	0.7	0.02	3.7	9.0	0.010	0.15	24.3	25.8	25.4	25	30
105J_1989_3273	0	3.4	8	74.0	0.5	0.5	0.02	1.8	6.0	0.009	0.14	3.7	5.5	5.5	34	47
105J_1989_3274	0	0.9	14	98.9	<0.5	<0.5	0.02	0.4	1.9	0.007	0.04	1.4	1.9	2.3	20	10
105J_1989_3275	0	4.8	11	79.6	0.5	0.7	<0.02	2.1	10.0	0.043	0.16	15.9	19.0	18.9	31	31
105J_1989_3276	0	4.8	5	55.1	0.9	0.6	0.05	2.8	8.1	0.006	0.17	1.4	4.4	3.6	39	50
105J_1989_3277	0	4.9	4	56.6	0.9	0.7	0.05	3.0	8.7	0.005	0.19	1.3	4.2	4.0	41	51
105J_1989_3278	0	5.0	1	75.1	0.8	0.6	0.07	2.2	9.1	0.001	0.21	1.4	4.5	4.1	37	43
105J_1989_3279	0	4.8	3	51.3	1.0	0.7	0.05	2.6	8.4	0.005	0.32	2.0	5.1	4.7	90	117
105J_1989_3282	0	5.2	5	53.3	0.9	0.9	0.07	2.7	8.2	0.004	0.37	3.6	5.7	5.9	158	202
105J_1989_3283	1	4.1	3	64.6	<0.5	0.9	0.03	1.3	6.6	0.003	0.37	2.2	4.1	4.4	112	143
105J_1989_3284	2	4.1	3	70.7	0.7	0.5	0.05	1.3	6.7	0.003	0.36	2.1	4.1	4.5	102	133
105J_1989_3285	0	3.9	5	89.9	<0.5	0.6	0.02	0.5	2.9	0.005	0.21	4.7	5.0	5.5	18	12
105J_1989_3286	0	3.4	7	83.8	0.8	0.5	0.04	2.2	6.1	0.005	0.17	4.5	5.4	6.0	39	47
105J_1989_3288	0	3.0	5	192.6	0.6	<0.5	0.07	1.5	5.0	0.006	0.14	1.7	2.7	2.9	48	59
105J_1989_3289	0	6.0	7	79.2	1.0	0.8	0.08	2.7	8.7	0.007	0.21	1.7	4.9	4.4	46	56
105J_1989_3290	0	5.6	7	85.3	1.0	1.0	0.10	2.0	7.5	0.005	0.41	8.4	12.0	10.3	142	193
105J_1989_3291	0	4.7	3	68.6	1.0	0.8	0.06	2.5	7.2	0.007	0.23	2.6	5.0	4.6	46	72
105J_1989_3292	0	4.8	3	63.1	0.7	1.0	0.08	2.8	6.8	0.007	0.16	2.2	4.9	3.9	51	62
105J_1989_3293	0	3.1	6	109.2	<0.5	<0.5	0.03	1.2	6.0	0.006	0.11	2.5	4.1	4.8	20	26
105J_1989_3294	0	5.0	3	78.9	1.1	0.7	0.06	2.9	7.9	0.007	0.21	4.7	7.5	6.7	52	68
105J_1989_3295	0	4.9	10	91.7	0.9	0.8	0.04	2.0	10.0	0.003	0.14	1.1	3.4	3.7	21	22
105J_1989_3296	0	6.3	6	46.0	1.0	0.8	0.03	2.3	12.0	0.019	0.12	0.8	3.6	3.4	34	34
105J_1989_3297	0	5.6	8	57.6	1.0	0.8	0.04	1.7	11.0	0.010	0.11	1.0	3.1	3.2	28	27
105J_1989_3298	0	5.8	2	50.2	1.1	0.9	0.04	3.3	11.0	0.033	0.13	0.9	3.3	3.3	33	33
105J_1989_3299	0	5.1	5	88.4	0.7	0.8	0.02	2.0	10.0	0.004	0.08	2.3	4.1	4.6	15	11
105J_1989_3300	0	5.8	4	54.8	1.3	0.9	0.02	3.7	11.0	0.015	0.14	1.0	4.1	3.8	28	32
105J_1989_3302	0	3.1	10	115.7	0.7	<0.5	0.04	1.6	6.4	0.030	0.09	0.9	2.7	2.5	24	27
105J_1989_3303	0	3.4	18	126.5	0.8	<0.5	0.02	1.4	7.5	0.007	0.08	0.7	2.3	2.4	15	18
105J_1989_3304	1	7.4	8	109.6	1.1	0.9	0.06	4.7	12.0	0.005	0.19	2.1	6.7	5.8	41	49

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_3268	1	0.1	<1	13.28	<2	91	100.0
105J_1989_3269	2	<0.1	<1	25.90	<2	90	94.9
105J_1989_3270	0	0.8	1	20.78	<2	100	112.5
105J_1989_3271	0	<0.1	<1	14.54	<2	156	178.1
105J_1989_3272	0	0.2	<1	21.49	2	103	109.7
105J_1989_3273	0	<0.1	<1	25.20	<2	94	105.8
105J_1989_3274	0	<0.1	<1	15.53	<2	25	37.7
105J_1989_3275	0	<0.1	<1	22.42	<2	120	124.5
105J_1989_3276	0	<0.1	1	43.27	2	157	154.8
105J_1989_3277	0	0.2	1	38.83	2	150	167.3
105J_1989_3278	0	<0.1	1	40.48	2	194	207.7
105J_1989_3279	0	0.3	1	37.63	<2	291	296.2
105J_1989_3282	0	<0.1	1	28.29	<2	483	482.6
105J_1989_3283	1	<0.1	<1	13.37	<2	201	234.8
105J_1989_3284	2	<0.1	<1	28.00	<2	197	227.1
105J_1989_3285	0	<0.1	<1	13.95	<2	52	54.0
105J_1989_3286	0	<0.1	<1	17.86	<2	269	259.1
105J_1989_3288	0	0.1	<1	20.72	<2	225	218.9
105J_1989_3289	0	<0.1	2	26.67	<2	181	215.3
105J_1989_3290	0	0.1	<1	30.50	2	980	1189.1
105J_1989_3291	0	<0.1	1	32.50	2	175	186.6
105J_1989_3292	0	0.3	1	37.51	2	209	225.7
105J_1989_3293	0	<0.1	<1	18.91	<2	79	81.5
105J_1989_3294	0	<0.1	1	36.35	<2	167	173.3
105J_1989_3295	0	<0.1	<1	23.50	3	133	134.9
105J_1989_3296	0	<0.1	1	42.00	2	108	109.3
105J_1989_3297	0	<0.1	1	33.58	2	111	110.5
105J_1989_3298	0	<0.1	1	19.61	<2	107	104.9
105J_1989_3299	0	<0.1	<1	21.97	<2	76	74.0
105J_1989_3300	0	0.1	2	41.19	3	117	118.0
105J_1989_3302	0	<0.1	<1	21.43	<2	120	112.7
105J_1989_3303	0	<0.1	<1	24.95	<2	105	100.6
105J_1989_3304	1	<0.1	2	15.07	<2	193	197.5

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_3305	2	0.2	349	0.84	12	18.2	23.0	22	16	18.47	5	324.1	6890	0.21	0.6	0.97
105J_1989_3306	0	0.2	152	0.76	7	10.7	13.0	<2			4	209.4	2000	0.22	1.3	0.50
105J_1989_3307	0	0.3	255	0.83	7	9.8	12.0	8			5	883.5	3900	0.21	3.9	0.55
105J_1989_3308	0	0.2	227	0.87	23	35.3	38.0	8			5	155.4	1200	3.33	4.4	0.49
105J_1989_3309	0	<0.2	211	0.90	3	1.4	2.9	<2			7	291.0	1200	0.15	8.9	1.02
105J_1989_3311	0	0.3	214	0.70	1	1.1	2.7	2			6	283.4	1200	0.15	6.3	1.21
105J_1989_3312	0	0.3	129	0.80	3	4.6	7.0	<2			3	248.4	1300	0.22	2.3	0.39
105J_1989_3313	0	<0.2	193	0.91	5	8.4	11.0	4			3	386.8	1500	0.21	14.0	0.97
105J_1989_3314	0	<0.2	125	0.81	7	10.1	13.0	4			3	185.4	1200	0.25	2.7	0.41
105J_1989_3315	0	<0.2	125	0.70	6	7.3	11.0	6			4	185.2	1400	0.24	3.7	0.40
105J_1989_3316	0	<0.2	167	1.33	7	9.4	14.0	4			3	115.0	1100	0.27	3.1	0.24
105J_1989_3317	0	0.4	352	1.26	6	8.9	12.0	<2			3	218.4	1300	0.21	8.2	0.50
105J_1989_3318	0	<0.2	155	1.15	6	8.2	10.0	8			3	173.5	1100	0.20	4.8	0.27
105J_1989_3319	0	<0.2	112	0.83	5	10.2	10.0	3			3	187.2	1200	0.19	2.5	0.24
105J_1989_3320	0	0.3	235	1.20	7	18.2	17.0	3			5	648.4	1100	0.12	21.0	1.85
105J_1989_3322	1	0.6	488	1.28	3	5.6	6.8	7			5	626.7	2000	0.18	3.1	0.35
105J_1989_3323	2	0.6	496	1.23	2	5.4	6.9	7			4	620.7	2200	0.18	3.4	0.30
105J_1989_3324	0	0.5	399	0.69	2	3.8	4.3	7			4	420.1	1200	0.14	6.5	0.44
105J_1989_3325	0	0.4	240	0.91	4	6.0	8.1	5			6	384.9	2400	0.16	1.7	0.32
105J_1989_3326	0	<0.2	366	1.29	7	14.3	17.0	10			8	670.6	2400	0.20	3.3	0.60
105J_1989_3327	0	<0.2	277	0.97	3	4.6	6.3	8			9	538.1	2500	0.13	2.0	0.28
105J_1989_3328	0	0.3	247	0.89	2	3.5	4.9	6			9	279.9	1300	0.12	6.3	1.60
105J_1989_3329	0	0.2	229	1.29	6	10.4	12.0	4			5	260.0	1700	0.20	2.6	0.56
105J_1989_3331	0	0.2	243	1.17	5	7.6	9.4	5			3	254.3	1600	0.19	1.8	0.52
105J_1989_3332	0	0.3	259	1.27	6	11.6	13.0	9			4	327.4	1400	0.21	8.1	0.46
105J_1989_3333	0	0.7	753	1.41	20	49.2	56.3	7			4	487.6	1400	0.27	11.0	1.22
105J_1989_3334	0	0.5	283	1.04	9	12.5	18.0	8			6	950.1	4900	0.22	2.5	0.38
105J_1989_3335	0	0.2	281	1.19	6	8.3	11.0	16	13	35.05	5	652.2	3000	0.20	4.8	0.41
105J_1989_3336	0	0.2	287	1.19	5	7.2	10.0	10			7	612.0	2900	0.17	3.8	0.34
105J_1989_3337	0	0.3	315	1.35	7	9.1	11.0	12			8	581.3	2200	0.20	5.7	0.41
105J_1989_3338	0	<0.2	430	1.24	8	10.7	14.0	12			8	728.9	3000	0.19	3.7	0.37
105J_1989_3339	0	0.2	531	0.50	5	8.1	8.6	5			7	44.7	420	0.07	13.0	1.32
105J_1989_3340	0	<0.2	398	1.32	8	11.6	16.0	13			7	737.5	2900	0.21	3.8	0.30

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_3305	2	0.9	1.28	76	16	14.3	19	14.4	65	7.4	73	75.07	1	765	3.11	3.31	4.2
105J_1989_3306	0	0.5	0.72	110	13	11.4	14	11.2	61	5.2	36	36.10	1	442	2.42	2.52	3.6
105J_1989_3307	0	0.8	1.14	120	13	10.3	15	13.2	63	6.0	41	40.45	<1	500	2.23	2.33	3.3
105J_1989_3308	0	<0.2	0.58	130	13	12.0	17	12.6	60	8.6	41	40.50	1	478	2.86	3.07	4.2
105J_1989_3309	0	0.4	0.71	61	5	4.3	8	11.5	45	4.7	36	33.60	<1	380	1.12	1.10	2.1
105J_1989_3311	0	0.4	0.72	70	5	4.3	6	10.2	44	5.1	28	26.77	<1	283	1.05	1.05	2.0
105J_1989_3312	0	<0.2	0.52	100	12	11.3	16	12.7	64	4.8	24	21.76	<1	372	2.48	2.50	3.6
105J_1989_3313	0	0.6	0.78	57	14	13.0	14	11.5	51	5.4	22	19.44	<1	403	4.02	3.78	4.6
105J_1989_3314	0	<0.2	0.42	100	14	11.9	17	11.8	52	5.6	26	22.08	<1	388	2.54	2.72	3.2
105J_1989_3315	0	<0.2	0.42	120	12	10.0	14	10.0	38	6.0	25	24.01	<1	426	2.08	2.07	3.1
105J_1989_3316	0	<0.2	0.34	150	13	13.1	18	16.4	74	10.0	23	22.57	1	369	2.63	2.65	4.2
105J_1989_3317	0	0.2	0.59	99	10	8.6	13	13.7	60	11.0	26	24.45	1	442	2.24	2.02	3.5
105J_1989_3318	0	<0.2	0.35	130	11	9.4	12	14.3	69	6.4	23	21.98	1	378	2.37	2.36	3.5
105J_1989_3319	0	<0.2	0.38	180	11	10.0	13	11.7	70	5.1	20	19.02	2	349	2.20	2.30	3.6
105J_1989_3320	0	2.5	3.07	28	10	11.4	12	8.8	<20	1.7	33	33.17	<1	94	8.06	8.57	10.0
105J_1989_3322	1	0.8	1.40	40	8	6.4	7	19.5	54	3.6	36	35.79	<1	358	1.87	1.58	2.1
105J_1989_3323	2	0.9	1.36	45	9	6.4	9	19.2	59	4.0	37	38.85	<1	304	1.64	1.37	2.1
105J_1989_3324	0	1.0	1.39	28	5	4.2	<5	11.2	39	2.3	32	35.65	<1	223	1.66	1.27	1.5
105J_1989_3325	0	<0.2	0.68	43	10	7.8	12	15.1	72	3.5	36	36.26	<1	447	2.31	1.91	2.9
105J_1989_3326	0	0.5	1.23	49	15	12.6	15	20.9	66	3.9	58	61.19	<1	614	4.14	4.40	5.2
105J_1989_3327	0	<0.2	0.58	40	8	6.9	10	16.1	54	3.4	40	43.33	<1	437	1.77	1.56	2.3
105J_1989_3328	0	0.3	1.41	42	8	6.3	8	12.6	48	3.4	40	42.55	<1	369	1.48	1.34	1.8
105J_1989_3329	0	1.0	1.67	73	10	9.4	11	17.2	62	5.2	28	30.87	1	375	2.21	2.21	3.1
105J_1989_3331	0	0.4	0.76	69	10	8.3	10	15.1	52	4.2	29	31.46	<1	375	1.94	1.78	2.4
105J_1989_3332	0	0.7	1.02	78	12	9.7	10	14.4	55	4.5	24	24.43	1	462	3.06	2.75	2.8
105J_1989_3333	0	0.3	1.01	29	16	12.3	13	13.8	40	7.6	27	27.28	<1	388	6.32	5.82	6.2
105J_1989_3334	0	1.7	2.03	53	19	16.8	20	19.1	93	4.3	62	64.95	<1	449	2.72	2.61	3.6
105J_1989_3335	0	1.1	1.94	63	15	16.1	19	19.6	74	4.2	71	80.34	<1	528	2.51	2.63	3.6
105J_1989_3336	0	0.7	1.77	62	12	11.9	15	20.1	82	3.7	46	49.51	1	404	2.22	2.18	3.2
105J_1989_3337	0	1.5	2.41	48	15	13.4	14	22.0	65	3.7	69	72.93	<1	504	2.53	2.62	3.2
105J_1989_3338	0	2.1	2.68	54	15	13.7	18	21.2	80	4.5	65	74.51	<1	558	2.61	2.49	3.7
105J_1989_3339	0	3.1	3.98	13	12	8.8	7	8.9	<20	1.0	59	60.21	<1	148	2.83	2.54	2.6
105J_1989_3340	0	2.8	2.62	60	19	19.4	24	23.7	70	4.1	74	77.26	<1	541	3.01	2.85	4.0

Silt Data - GSC Open File 5694 / YGS Open File 2008-4

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_3305	2	2.5	5	148	163	0.18	14.6	43	2.4	<0.2	0.78	554	644	4	4.93	4
105J_1989_3306	0	2.3	6	68	63	0.08	20.0	53	5.2	<0.2	0.33	372	421	<2	2.24	1
105J_1989_3307	0	2.5	7	115	106	0.13	20.5	54	6.1	<0.2	0.36	379	419	<2	2.10	2
105J_1989_3308	0	2.9	6	72	61	0.14	30.1	59	7.9	<0.2	0.29	474	555	<2	1.14	<1
105J_1989_3309	0	2.4	3	181	142	0.10	8.1	28	21.3	<0.2	0.24	197	186	<2	0.18	<1
105J_1989_3311	0	1.8	4	156	125	0.08	6.8	30	24.2	<0.2	0.22	52	48	<2	0.13	<1
105J_1989_3312	0	2.3	4	87	76	0.10	17.4	47	8.1	<0.2	0.23	477	487	<2	0.38	<1
105J_1989_3313	0	2.6	4	137	105	0.11	10.7	32	19.9	<0.2	0.29	2247	1935	<2	0.39	<1
105J_1989_3314	0	2.2	5	70	50	0.10	20.4	46	6.6	<0.2	0.25	320	348	<2	0.65	<1
105J_1989_3315	0	2.0	6	57	46	0.08	17.4	58	5.9	<0.2	0.23	317	315	<2	0.55	<1
105J_1989_3316	0	3.5	9	34	19	0.07	34.7	70	3.4	<0.2	0.58	414	538	<2	0.59	<1
105J_1989_3317	0	3.4	6	53	37	0.10	31.9	59	11.3	<0.2	0.42	491	456	<2	0.85	<1
105J_1989_3318	0	3.2	9	57	48	0.08	25.1	61	5.1	<0.2	0.46	280	332	<2	0.58	<1
105J_1989_3319	0	2.4	9	55	43	0.06	21.7	83	2.2	<0.2	0.36	361	413	<2	0.60	<1
105J_1989_3320	0	1.7	1	203	203	0.07	7.0	15	48.9	<0.2	0.24	4625	3398	<2	0.92	<1
105J_1989_3322	1	3.8	3	252	246	0.14	9.1	22	16.4	<0.2	0.29	282	244	<2	0.98	2
105J_1989_3323	2	3.5	3	266	262	0.14	9.0	24	16.8	<0.2	0.28	223	194	<2	1.24	2
105J_1989_3324	0	2.1	1	209	191	0.10	6.8	15	57.1	<0.2	0.17	304	254	<2	1.60	3
105J_1989_3325	0	3.0	4	248	223	0.15	8.3	28	8.1	<0.2	0.29	578	541	<2	1.62	3
105J_1989_3326	0	3.8	4	306	303	0.22	13.8	31	13.8	<0.2	0.53	3275	2936	4	3.28	4
105J_1989_3327	0	3.4	3	166	155	0.19	8.0	23	6.8	<0.2	0.32	734	723	<2	1.44	2
105J_1989_3328	0	2.5	3	119	110	0.11	12.4	24	33.6	<0.2	0.45	253	202	<2	0.66	2
105J_1989_3329	0	3.8	7	63	82	0.14	19.0	46	8.3	<0.2	0.59	334	359	3	1.14	1
105J_1989_3331	0	3.3	5	83	76	0.11	19.4	36	9.5	<0.2	0.47	176	187	<2	0.55	1
105J_1989_3332	0	3.1	6	74	57	0.12	28.9	46	9.5	<0.2	0.38	717	736	<2	0.70	<1
105J_1989_3333	0	3.4	2	137	116	0.13	10.0	20	31.1	<0.2	0.25	4147	2900	3	3.25	5
105J_1989_3334	0	3.2	5	202	168	0.19	11.4	32	5.7	<0.2	0.41	1620	1866	3	3.66	6
105J_1989_3335	0	3.7	6	191	209	0.17	14.1	34	7.8	<0.2	0.41	4005	4187	3	3.58	4
105J_1989_3336	0	3.6	6	209	202	0.17	13.7	37	7.5	<0.2	0.38	667	737	<2	2.24	4
105J_1989_3337	0	4.0	4	212	239	0.24	12.2	29	9.7	<0.2	0.48	1424	1656	3	3.60	4
105J_1989_3338	0	3.8	5	234	249	0.20	11.9	33	7.6	<0.2	0.47	1317	1429	3	4.27	6
105J_1989_3339	0	1.2	<1	259	285	0.07	2.3	7	57.6	<0.2	0.25	369	337	20	22.85	24
105J_1989_3340	0	4.2	4	241	270	0.20	12.1	35	7.9	<0.2	0.49	2332	2512	4	4.27	6

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_3305	2	0.005	0.31	41	41.2	0.148	17	15.51	100	0.38	3.7	3.37	5.9	3.4	10.0	2.9
105J_1989_3306	0	0.006	0.58	25	26.2	0.081	23	20.53	100	0.04	1.3	1.22	2.2	1.7	11.0	1.1
105J_1989_3307	0	0.008	0.56	30	28.4	0.102	17	14.15	99	0.05	2.0	1.76	3.0	2.4	9.3	0.9
105J_1989_3308	0	0.011	0.74	21	22.6	0.073	48	44.86	120	0.05	1.7	1.39	2.3	2.5	12.0	0.5
105J_1989_3309	0	0.022	1.10	16	16.5	0.081	12	8.88	84	0.26	0.2	0.33	0.6	2.3	8.5	2.1
105J_1989_3311	0	0.017	0.94	17	17.6	0.068	12	8.74	91	0.35	0.2	0.28	0.5	2.1	8.4	1.6
105J_1989_3312	0	0.012	0.64	20	19.8	0.068	18	14.13	110	0.06	0.5	0.54	1.1	2.0	10.0	0.6
105J_1989_3313	0	0.011	0.55	23	20.5	0.089	16	10.79	90	0.14	0.4	0.48	1.0	1.8	7.9	1.3
105J_1989_3314	0	0.007	0.40	22	20.6	0.069	21	16.63	110	0.04	1.4	1.20	2.2	1.9	8.7	0.6
105J_1989_3315	0	0.011	0.80	21	20.5	0.061	18	14.63	110	0.04	1.2	1.19	2.3	1.7	9.2	0.5
105J_1989_3316	0	0.006	0.75	25	25.1	0.057	23	18.53	150	0.02	0.7	0.80	1.8	2.2	13.0	0.2
105J_1989_3317	0	0.013	1.00	18	18.0	0.084	16	13.93	120	0.05	0.3	0.85	1.7	2.1	11.0	0.7
105J_1989_3318	0	0.006	0.70	22	22.7	0.067	16	14.14	120	0.04	0.5	0.65	1.4	2.0	11.0	0.3
105J_1989_3319	0	0.006	0.62	20	20.1	0.061	14	12.47	100	0.04	0.3	0.76	1.5	1.7	11.0	0.5
105J_1989_3320	0	0.009	0.34	17	20.8	0.158	11	7.05	28	0.42	0.3	0.58	0.7	2.5	4.6	2.4
105J_1989_3322	1	0.019	0.79	18	22.8	0.104	8	8.54	80	0.11	0.7	0.74	1.3	2.5	8.0	1.0
105J_1989_3323	2	0.017	0.85	19	23.9	0.104	8	8.35	81	0.14	0.8	0.78	1.4	2.4	9.1	1.1
105J_1989_3324	0	0.011	0.36	23	25.0	0.087	5	5.52	40	0.56	0.4	0.94	1.0	1.5	5.5	2.0
105J_1989_3325	0	0.008	0.57	25	25.6	0.105	10	8.61	97	0.04	0.8	0.73	1.5	2.7	9.4	1.3
105J_1989_3326	0	0.010	0.49	41	40.9	0.152	11	11.45	87	0.08	1.1	1.30	2.0	4.0	9.5	2.5
105J_1989_3327	0	0.007	0.37	28	28.2	0.085	7	7.28	83	0.04	0.8	0.83	1.4	2.5	7.9	1.2
105J_1989_3328	0	0.019	0.69	16	19.1	0.076	8	7.45	62	0.34	1.0	1.78	2.1	2.6	6.7	3.0
105J_1989_3329	0	0.014	0.70	25	27.9	0.097	12	13.16	110	0.04	1.2	1.53	2.3	2.3	9.5	1.1
105J_1989_3331	0	0.012	0.77	19	22.3	0.080	11	11.88	110	0.05	1.0	0.94	1.6	2.3	8.6	1.1
105J_1989_3332	0	0.013	0.57	23	23.8	0.080	10	13.49	100	0.05	1.1	0.72	1.2	2.1	7.4	1.0
105J_1989_3333	0	0.023	0.83	13	22.1	0.105	18	20.08	87	0.15	1.0	1.30	1.9	2.3	5.6	3.9
105J_1989_3334	0	0.007	0.40	60	56.8	0.125	13	14.10	99	0.10	2.3	1.87	3.4	3.3	10.0	1.8
105J_1989_3335	0	0.005	0.46	74	78.8	0.138	12	12.41	94	0.05	1.3	1.32	2.1	3.3	10.0	1.7
105J_1989_3336	0	0.007	0.60	50	52.9	0.123	9	10.17	100	0.03	1.5	1.02	1.9	3.1	11.0	1.2
105J_1989_3337	0	0.007	0.41	57	56.6	0.163	12	12.89	99	0.06	1.1	1.42	2.1	3.3	9.2	2.2
105J_1989_3338	0	0.007	0.50	65	63.1	0.140	15	13.79	99	0.07	2.2	1.95	3.2	3.1	10.0	2.3
105J_1989_3339	0	0.010	0.25	91	96.2	0.121	4	3.22	17	3.37	1.4	3.12	3.0	1.2	2.4	45.1
105J_1989_3340	0	0.008	0.52	90	88.5	0.104	14	14.01	99	0.08	1.6	1.35	2.4	3.3	10.0	1.9

Unique ID	Rep Stat	Sm INAA ppm 0.1	Sn AAS ppm 1	Sr ICP-MS ppm 0.5	Ta INAA ppm 0.5	Tb INAA ppm 0.5	Te ICP-MS ppm 0.02	Th ICP-MS ppm 0.1	Th INAA ppm 0.2	Ti ICP-MS % 0.001	Tl ICP-MS ppm 0.02	U ICP-MS ppm 0.1	U INAA ppm 0.2	U NADNC ppm 0.5	V AAS ppm 5	V ICP-MS ppm 2
105J_1989_3305	2	6.8	9	108.4	1.3	0.8	0.10	4.6	12.0	0.005	0.19	2.2	6.8	6.1	43	52
105J_1989_3306	0	7.3	4	55.3	1.2	0.8	0.06	5.0	13.0	0.004	0.10	1.1	4.8	4.0	19	22
105J_1989_3307	0	7.6	4	55.0	1.2	1.0	0.03	4.9	13.0	0.006	0.14	1.5	5.2	5.0	32	39
105J_1989_3308	0	8.0	3	40.4	1.2	0.9	0.06	7.3	16.0	0.008	0.13	1.8	5.0	4.6	23	25
105J_1989_3309	0	4.2	7	84.2	0.7	0.5	0.05	2.2	8.7	0.008	0.13	2.0	4.2	4.3	18	26
105J_1989_3311	0	4.4	6	103.5	0.6	0.5	0.03	2.5	10.0	0.004	0.11	1.5	3.9	3.6	14	18
105J_1989_3312	0	6.3	3	38.5	1.0	0.7	0.04	5.2	13.0	0.004	0.09	1.1	3.8	3.9	21	25
105J_1989_3313	0	4.5	7	87.5	0.9	0.6	0.02	3.3	10.0	0.003	0.19	1.3	3.4	3.8	25	28
105J_1989_3314	0	7.0	5	36.2	1.3	0.8	0.02	6.0	15.0	0.005	0.10	0.9	3.9	3.8	22	24
105J_1989_3315	0	8.4	3	34.7	1.1	0.8	0.04	4.5	16.0	0.005	0.08	0.7	4.2	3.8	18	21
105J_1989_3316	0	10.0	3	20.7	1.7	1.0	0.06	7.5	18.0	0.022	0.10	1.1	5.3	4.5	20	22
105J_1989_3317	0	8.1	5	31.2	1.1	0.8	0.02	1.9	12.0	0.014	0.17	2.6	6.2	5.7	22	27
105J_1989_3318	0	8.4	1	24.9	1.4	0.8	0.02	5.4	15.0	0.011	0.09	1.2	4.9	4.3	22	23
105J_1989_3319	0	11.4	4	24.6	1.3	0.9	0.05	5.4	16.0	0.009	0.07	0.9	4.3	4.0	20	22
105J_1989_3320	0	2.8	1	199.6	<0.5	<0.5	0.07	1.4	3.5	0.003	0.11	3.1	3.9	4.3	23	31
105J_1989_3322	1	3.8	4	41.4	0.8	0.6	0.02	1.2	6.3	0.005	0.23	1.5	3.5	4.0	41	62
105J_1989_3323	2	4.0	4	39.2	0.9	0.7	0.05	1.1	6.7	0.004	0.22	1.6	3.9	4.3	47	59
105J_1989_3324	0	2.5	5	46.9	<0.5	<0.5	<0.02	0.3	4.1	0.005	0.14	1.9	3.0	3.6	26	31
105J_1989_3325	0	4.5	4	45.6	1.2	0.8	0.05	2.3	7.6	0.004	0.15	1.5	4.4	4.3	42	45
105J_1989_3326	0	5.2	7	94.7	1.3	0.8	0.11	3.6	8.1	0.006	0.23	2.5	5.6	5.9	46	67
105J_1989_3327	0	3.6	2	46.8	0.9	0.5	0.05	2.0	5.8	0.005	0.17	1.3	3.5	3.4	34	52
105J_1989_3328	0	3.5	11	88.3	0.8	0.6	0.03	2.2	6.4	0.007	0.12	2.5	4.5	5.0	42	29
105J_1989_3329	0	6.9	1	39.9	1.3	0.9	0.07	4.0	11.0	0.016	0.16	1.6	4.6	4.4	42	41
105J_1989_3331	0	5.7	6	39.7	1.2	0.9	0.03	4.4	10.0	0.008	0.15	1.7	4.3	4.2	33	37
105J_1989_3332	0	7.8	7	38.0	1.2	1.1	0.03	4.4	12.0	0.008	0.18	1.4	4.1	4.7	38	31
105J_1989_3333	0	3.8	11	98.0	0.5	<0.5	0.06	3.7	10.0	0.006	0.30	6.6	9.1	8.7	42	41
105J_1989_3334	0	5.7	5	61.2	1.3	1.1	0.08	3.1	8.5	0.009	0.17	1.9	5.6	5.0	46	65
105J_1989_3335	0	6.2	5	58.1	1.5	1.1	0.07	2.1	8.7	0.009	0.20	2.2	5.6	5.2	47	57
105J_1989_3336	0	6.3	6	48.6	1.4	1.2	0.07	2.1	9.3	0.010	0.18	1.7	5.3	4.4	62	54
105J_1989_3337	0	5.2	4	65.5	1.2	0.8	0.09	2.1	7.4	0.009	0.23	2.4	5.2	5.2	56	71
105J_1989_3338	0	5.8	4	61.2	1.2	0.9	0.09	2.7	9.0	0.009	0.25	2.9	6.3	5.8	33	76
105J_1989_3339	0	1.3	6	72.2	<0.5	<0.5	0.05	0.6	2.1	0.005	0.17	9.6	9.4	10.4	113	162
105J_1989_3340	0	6.3	2	55.4	1.3	1.0	0.08	3.2	9.2	0.008	0.24	2.6	6.0	5.4	43	67

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_3305	2	<0.1	2	27.47	2	191	191.8
105J_1989_3306	0	<0.1	<1	36.99	2	136	131.6
105J_1989_3307	0	<0.1	2	39.40	3	143	136.4
105J_1989_3308	0	24.1	36	36.44	3	142	133.1
105J_1989_3309	0	<0.1	<1	24.72	<2	103	105.4
105J_1989_3311	0	0.1	<1	25.49	<2	69	67.1
105J_1989_3312	0	<0.1	2	30.00	3	99	91.5
105J_1989_3313	0	<0.1	1	19.09	2	121	103.5
105J_1989_3314	0	<0.1	<1	34.74	<2	103	98.9
105J_1989_3315	0	0.3	2	33.82	<2	84	81.4
105J_1989_3316	0	0.2	2	46.42	4	90	87.7
105J_1989_3317	0	0.1	2	32.01	3	85	84.9
105J_1989_3318	0	<0.1	1	38.97	3	82	81.9
105J_1989_3319	0	0.2	2	49.97	3	79	82.1
105J_1989_3320	0	<0.1	<1	19.28	<2	250	221.3
105J_1989_3322	1	<0.1	1	13.79	2	92	94.3
105J_1989_3323	2	<0.1	<1	23.97	2	98	95.5
105J_1989_3324	0	0.1	1	11.37	<2	83	78.0
105J_1989_3325	0	<0.1	1	36.48	<2	116	106.0
105J_1989_3326	0	<0.1	2	27.83	2	168	156.1
105J_1989_3327	0	<0.1	<1	37.45	<2	108	102.3
105J_1989_3328	0	<0.1	<1	25.06	<2	105	95.0
105J_1989_3329	0	0.2	2	38.65	2	200	198.0
105J_1989_3331	0	<0.1	2	33.11	<2	107	106.4
105J_1989_3332	0	1.0	2	27.26	3	122	118.6
105J_1989_3333	0	0.2	<1	20.95	<2	97	87.0
105J_1989_3334	0	<0.1	2	36.55	2	188	181.5
105J_1989_3335	0	<0.1	2	36.87	3	172	169.2
105J_1989_3336	0	0.1	2	38.26	3	193	192.8
105J_1989_3337	0	<0.1	1	42.92	2	211	217.3
105J_1989_3338	0	<0.1	1	39.50	3	268	274.9
105J_1989_3339	0	<0.1	<1	12.49	<2	650	578.1
105J_1989_3340	0	<0.1	2	38.66	3	258	258.5

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_3342	0	1.1	965	1.36	7	10.9	13.0	12			5	611.6	2300	0.19	6.6	0.27
105J_1989_3343	0	0.7	870	2.77	9	14.6	18.0	23	24	20.81	6	557.4	4200	0.19	6.0	0.11
105J_1989_3345	0	0.5	572	1.15	16	23.9	36.0	22	20	40.94	6	656.6	3100	0.26	3.2	0.09
105J_1989_3346	1	0.3	423	0.88	10	14.1	19.0	11	13	18.56	6	864.3	6010	0.18	2.3	0.35
105J_1989_3347	2	0.3	453	0.93	10	14.4	20.0	10	12	40.34	6	834.9	5740	0.20	2.9	0.36
105J_1989_3348	0	0.9	926	0.99	15	18.4	25.0	13			8	1063.5	7150	0.19	3.1	0.48
105J_1989_3349	0	1.0	901	1.07	13	17.9	25.0	12			6	853.9	4700	0.21	4.5	0.46
105J_1989_3350	0	0.5	751	1.24	11	15.6	19.0	8			7	1011.5	5700	0.22	5.1	0.47
105J_1989_3351	0	1.2	1107	1.25	15	21.1	28.0	16	14	35.26	10	807.9	5460	0.24	2.8	0.49
105J_1989_3352	0	1.3	1450	1.00	20	27.2	33.0	13			9	1555.9	11600	0.20	5.1	0.57
105J_1989_3353	0	0.5	457	1.68	8	13.3	17.0	11			7	968.2	3300	0.24	7.7	0.50
105J_1989_3354	0	0.9	963	1.09	80	105.4	114.0	8			7	1373.0	3400	0.11	19.0	0.96
105J_1989_3355	0	1.8	1737	1.66	14	28.5	32.0	20	15	16.67	8	1150.4	3500	0.24	8.6	0.34
105J_1989_3356	0	0.6	969	1.91	10	15.7	23.0	16	13	28.82	5	557.6	3800	0.26	6.2	0.09
105J_1989_3357	0	0.4	394	0.88	8	30.2	32.0	6			6	648.9	2300	0.16	9.1	0.63
105J_1989_3358	0	0.3	485	0.96	3	5.9	7.5	7			7	216.4	1700	0.11	7.1	0.89
105J_1989_3359	0	0.4	514	1.08	10	15.1	20.0	10			7	1005.9	4600	0.19	4.0	0.31
105J_1989_3360	0	0.5	575	1.28	8	10.3	13.0	13			9	665.8	3100	0.19	2.0	0.33
105J_1989_3362	0	0.6	566	1.44	11	16.8	19.0	14	15	30.91	9	615.2	3000	0.20	2.9	0.38
105J_1989_3363	1	1.3	1142	1.11	10	13.8	17.0	29	16	12.87	7	690.0	4200	0.20	2.6	0.42
105J_1989_3364	2	0.8	1127	1.07	8	14.0	17.0	16	14	29.95	6	788.1	4400	0.20	2.7	0.40
105J_1989_3365	0	0.5	623	1.16	20	29.1	36.0	9			8	1129.8	4600	0.15	2.7	0.37
105J_1989_3366	0	0.3	582	1.17	10	16.9	20.0	9			7	880.8	3300	0.18	4.9	0.31
105J_1989_3367	0	0.7	679	1.41	20	35.6	43.0	11			6	1034.3	3500	0.18	6.4	0.47
105J_1989_3368	0	0.7	846	1.13	9	23.7	28.0	17	12	22.83	7	929.5	2800	0.22	3.6	0.34
105J_1989_3369	0	0.3	460	1.12	7	8.2	11.0	11			7	606.3	2800	0.18	3.7	0.30
105J_1989_3370	0	0.4	596	1.18	7	8.8	12.0	15	11	24.63	6	546.9	2800	0.19	8.0	0.35
105J_1989_3372	0	0.5	635	0.91	4	5.1	6.6	12			5	341.2	1700	0.14	10.0	0.30
105J_1989_3373	0	0.4	471	1.46	5	7.2	10.0	14	16	29.94	8	527.1	2700	0.16	4.7	0.53
105J_1989_3374	0	0.3	356	1.21	5	6.5	8.4	11			6	591.6	2700	0.17	2.1	0.34
105J_1989_3375	0	<0.2	328	0.85	7	8.1	12.0	8			5	725.0	3700	0.14	1.6	0.36
105J_1989_3376	0	0.2	303	0.96	6	7.9	11.0	9			4	580.3	2900	0.16	6.7	0.36
105J_1989_3377	0	0.2	346	0.76	9	12.2	16.0	7			3	835.4	3200	0.28	4.5	0.46

Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_3342	0	2.3	3.26	47	16	13.9	17	20.7	69	3.9	69	72.51	<1	393	2.72	2.31	3.4
105J_1989_3343	0	1.4	2.93	57	71	87.9	88	20.8	84	5.6	244	245.11	<1	643	3.92	4.05	4.6
105J_1989_3345	0	1.3	1.86	56	30	32.1	41	28.0	96	4.2	135	157.96	1	378	3.71	4.00	5.5
105J_1989_3346	1	1.1	2.22	69	12	10.2	12	21.0	92	4.5	59	67.67	1	636	2.43	2.37	3.2
105J_1989_3347	2	2.0	2.08	63	11	10.5	14	21.2	85	4.5	59	68.04	<1	576	2.43	2.39	3.4
105J_1989_3348	0	3.9	4.24	62	9	8.3	12	23.8	110	7.4	59	61.24	<1	665	2.09	2.05	3.1
105J_1989_3349	0	5.6	5.67	51	12	10.5	12	26.9	100	4.2	66	72.93	<1	615	2.65	2.62	3.6
105J_1989_3350	0	7.8	7.35	62	14	13.0	14	25.0	98	4.3	53	54.06	<1	590	2.30	2.19	3.0
105J_1989_3351	0	3.7	4.94	55	15	13.6	18	31.6	110	5.1	96	100.82	1	619	2.92	2.95	3.9
105J_1989_3352	0	8.0	8.72	57	14	13.2	15	29.8	140	6.5	88	97.90	1	708	2.67	2.80	3.5
105J_1989_3353	0	0.9	1.33	64	15	14.0	18	25.9	95	6.6	70	75.08	<1	476	3.40	3.44	4.8
105J_1989_3354	0	17.1	17.94	30	21	21.7	28	16.5	67	6.7	40	40.48	<1	510	5.08	6.59	8.3
105J_1989_3355	0	5.4	5.63	50	22	18.8	18	18.5	83	37.0	77	80.61	1	488	3.63	2.98	3.6
105J_1989_3356	0	2.6	3.82	52	35	47.9	44	19.6	94	8.9	231	274.62	1	462	3.83	3.27	4.5
105J_1989_3357	0	1.1	2.32	29	18	10.5	11	15.6	40	3.5	41	43.82	<1	359	14.00	10.49	11.0
105J_1989_3358	0	1.6	2.50	37	7	4.8	6	15.0	45	3.9	43	45.44	<1	406	1.61	1.29	1.8
105J_1989_3359	0	1.2	2.43	61	11	11.1	14	18.8	87	6.0	50	52.63	<1	497	2.40	2.19	3.3
105J_1989_3360	0	1.5	2.14	43	9	8.5	10	27.1	89	3.8	59	64.90	<1	609	2.14	1.97	2.7
105J_1989_3362	0	0.6	1.72	53	13	11.6	16	22.1	81	4.8	68	72.32	<1	592	2.70	2.48	3.5
105J_1989_3363	1	5.2	5.36	46	13	10.8	13	23.7	91	4.2	84	88.79	<1	577	2.58	2.43	3.2
105J_1989_3364	2	3.6	4.72	48	11	11.0	13	23.4	120	4.7	80	89.17	<1	525	2.48	2.39	3.4
105J_1989_3365	0	6.3	7.30	49	18	17.1	20	22.1	91	6.0	61	64.50	<1	538	2.89	2.95	3.8
105J_1989_3366	0	0.9	2.01	46	14	11.0	13	21.1	73	4.9	48	53.79	<1	515	2.82	2.61	3.1
105J_1989_3367	0	1.5	2.99	42	14	13.9	16	21.1	68	5.6	45	49.03	<1	394	3.47	3.44	3.9
105J_1989_3368	0	1.3	2.97	38	20	21.4	21	20.9	59	4.0	78	93.59	<1	520	7.51	9.33	10.0
105J_1989_3369	0	1.1	2.15	45	12	11.9	15	20.2	79	4.1	59	67.29	<1	467	2.26	2.18	3.2
105J_1989_3370	0	1.1	2.31	52	13	12.4	14	20.0	81	4.2	59	68.95	<1	510	2.42	2.47	3.4
105J_1989_3372	0	1.3	1.26	35	9	7.6	9	16.1	56	3.2	49	52.86	<1	406	1.97	1.55	2.5
105J_1989_3373	0	1.0	1.41	42	12	10.3	15	22.0	79	4.7	66	77.99	<1	719	2.25	2.22	3.4
105J_1989_3374	0	0.6	1.50	42	10	9.0	12	16.8	71	4.2	62	64.74	<1	625	1.96	1.69	2.4
105J_1989_3375	0	1.3	1.63	44	12	10.3	13	14.6	66	3.7	57	58.90	<1	558	2.18	2.05	3.0
105J_1989_3376	0	1.2	1.63	45	14	12.3	16	17.1	73	3.9	59	61.34	<1	624	2.41	2.27	3.1
105J_1989_3377	0	0.6	1.18	50	11	9.5	12	11.8	56	6.2	32	31.82	<1	443	2.42	2.14	2.9

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_3342	0	3.9	3	338	354	0.16	8.7	26	12.6	<0.2	0.29	2652	2192	3	4.55	6
105J_1989_3343	0	4.2	3	600	576	0.23	11.0	28	12.5	<0.2	0.43	8811	>10000	9	12.09	14
105J_1989_3345	0	4.6	3	403	458	0.19	8.8	35	6.2	<0.2	0.24	5144	4805	3	6.49	10
105J_1989_3346	1	3.0	8	184	182	0.15	15.8	41	4.5	<0.2	0.35	526	616	3	4.42	6
105J_1989_3347	2	3.1	8	202	208	0.15	15.8	42	5.2	<0.2	0.36	545	649	3	4.40	6
105J_1989_3348	0	3.1	6	391	435	0.16	12.8	40	8.6	<0.2	0.33	398	417	5	5.80	8
105J_1989_3349	0	3.2	4	306	313	0.17	14.9	34	7.7	<0.2	0.33	1068	1217	5	7.30	10
105J_1989_3350	0	3.5	6	234	232	0.15	18.8	37	8.1	<0.2	0.39	979	1027	5	5.48	8
105J_1989_3351	0	4.2	4	356	405	0.19	17.6	39	8.8	<0.2	0.54	799	917	7	8.96	12
105J_1989_3352	0	3.2	4	492	521	0.20	13.5	34	9.9	<0.2	0.35	834	941	8	8.88	13
105J_1989_3353	0	5.0	4	279	310	0.20	10.0	41	14.5	<0.2	0.68	620	666	4	4.50	6
105J_1989_3354	0	3.1	3	520	511	0.12	5.9	17	21.6	<0.2	0.26	8455	9340	33	40.02	44
105J_1989_3355	0	3.5	<1	990	1015	0.20	7.1	26	19.6	<0.2	0.20	1736	1286	<2	2.22	3
105J_1989_3356	0	3.2	4	524	606	0.19	5.8	32	12.0	<0.2	0.18	1086	1388	5	4.56	6
105J_1989_3357	0	2.7	3	338	427	0.14	10.1	21	24.5	<0.2	0.32	579	617	5	3.97	4
105J_1989_3358	0	2.6	3	284	289	0.13	6.9	21	35.8	<0.2	0.36	303	260	3	2.43	4
105J_1989_3359	0	3.4	5	275	312	0.18	10.8	36	7.7	<0.2	0.33	671	709	3	3.62	5
105J_1989_3360	0	4.3	3	320	362	0.24	10.1	29	8.2	<0.2	0.37	637	691	3	3.32	4
105J_1989_3362	0	4.3	4	353	442	0.24	10.7	32	9.6	<0.2	0.56	765	628	5	4.25	6
105J_1989_3363	1	3.7	3	382	459	0.18	7.9	27	11.4	<0.2	0.34	1068	1087	10	12.40	16
105J_1989_3364	2	3.6	3	382	468	0.18	8.3	30	11.1	<0.2	0.33	948	1003	11	13.07	16
105J_1989_3365	0	3.2	3	364	391	0.20	10.4	28	7.1	<0.2	0.31	1032	1180	6	6.84	9
105J_1989_3366	0	3.7	4	295	328	0.18	10.7	26	11.1	<0.2	0.34	1086	1069	4	3.43	5
105J_1989_3367	0	4.2	3	347	429	0.20	9.7	23	16.1	<0.2	0.35	6995	5459	7	7.69	11
105J_1989_3368	0	3.8	3	360	475	0.21	12.0	27	13.6	<0.2	0.33	1282	1667	6	6.88	7
105J_1989_3369	0	3.7	4	254	253	0.22	9.7	29	7.3	<0.2	0.35	1050	1132	3	3.50	5
105J_1989_3370	0	3.5	4	259	281	0.19	9.9	30	8.9	<0.2	0.38	975	1156	3	3.96	5
105J_1989_3372	0	3.1	3	252	294	0.14	6.3	22	15.4	<0.2	0.23	882	711	<2	2.63	4
105J_1989_3373	0	4.5	4	252	248	0.27	10.1	29	9.1	<0.2	0.59	554	624	3	3.36	5
105J_1989_3374	0	3.4	3	223	263	0.18	10.2	27	9.8	<0.2	0.50	329	343	4	3.41	5
105J_1989_3375	0	2.7	4	191	225	0.15	10.0	26	5.8	<0.2	0.38	712	831	3	3.04	5
105J_1989_3376	0	2.9	4	198	239	0.14	11.0	29	6.1	<0.2	0.42	1282	1443	<2	2.96	4
105J_1989_3377	0	2.2	6	216	215	0.08	7.7	32	8.5	<0.2	0.22	692	715	<2	2.05	3

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_3342	0	0.016	0.86	93	89.8	0.142	12	10.38	97	0.08	1.5	1.50	2.4	2.0	10.0	2.1
105J_1989_3343	0	0.004	0.16	130	133.7	0.134	16	16.21	130	0.26	3.8	3.92	5.9	4.4	9.5	3.9
105J_1989_3345	0	0.003	0.12	80	85.3	0.105	17	18.77	93	0.15	1.9	2.34	4.3	3.9	11.0	3.0
105J_1989_3346	1	0.005	0.52	45	48.0	0.150	12	11.26	100	0.06	2.0	2.60	3.9	2.7	9.4	1.5
105J_1989_3347	2	0.006	0.58	44	48.0	0.144	13	11.82	110	0.06	2.7	2.48	4.0	2.7	10.0	1.9
105J_1989_3348	0	0.007	0.53	67	62.1	0.152	13	10.42	120	0.06	3.0	3.05	5.5	2.6	10.0	3.0
105J_1989_3349	0	0.006	0.43	76	75.7	0.180	14	13.29	100	0.10	3.4	3.35	5.7	2.9	10.0	3.3
105J_1989_3350	0	0.009	0.61	89	88.6	0.158	13	11.16	110	0.06	2.8	2.83	4.5	2.6	10.0	2.5
105J_1989_3351	0	0.007	0.43	71	70.6	0.179	17	16.48	110	0.10	5.0	4.18	6.6	3.3	10.0	4.1
105J_1989_3352	0	0.006	0.32	147	148.5	0.206	14	14.61	110	0.13	5.0	4.79	7.0	3.4	10.0	5.5
105J_1989_3353	0	0.009	0.62	49	49.2	0.141	18	16.95	130	0.12	1.5	1.57	3.1	4.4	15.0	2.5
105J_1989_3354	0	0.011	0.66	391	378.5	0.632	8	7.08	49	0.17	9.0	6.03	8.0	1.6	8.1	11.4
105J_1989_3355	0	0.008	0.42	142	149.2	0.112	19	17.89	160	0.11	2.5	1.59	3.0	6.3	13.0	4.8
105J_1989_3356	0	0.004	0.27	73	75.0	0.133	20	18.59	130	0.12	2.2	2.20	4.0	4.9	12.0	3.1
105J_1989_3357	0	0.008	0.34	24	30.7	0.349	8	9.33	54	0.38	1.0	1.38	1.8	2.9	6.8	8.7
105J_1989_3358	0	0.015	0.63	34	34.3	0.087	8	6.61	70	0.95	1.0	1.15	1.5	2.5	7.0	11.2
105J_1989_3359	0	0.006	0.52	49	44.4	0.127	12	11.66	100	0.06	1.9	1.83	3.3	2.7	10.0	2.1
105J_1989_3360	0	0.006	0.28	42	41.7	0.159	13	10.20	87	0.05	11.6	1.53	2.9	2.8	8.7	2.3
105J_1989_3362	0	0.006	0.36	49	48.7	0.124	14	12.29	110	0.07	2.1	1.98	3.2	3.3	10.0	2.4
105J_1989_3363	1	0.005	0.33	89	80.7	0.108	12	10.78	100	0.07	5.0	4.51	7.4	3.2	10.0	4.4
105J_1989_3364	2	0.005	0.37	79	76.9	0.114	12	10.77	100	0.07	5.5	4.71	7.1	3.2	10.0	4.6
105J_1989_3365	0	0.004	0.23	108	111.1	0.222	9	9.15	93	0.10	3.6	3.05	5.1	2.7	8.0	3.9
105J_1989_3366	0	0.007	0.43	49	48.4	0.141	12	10.56	96	0.06	1.9	1.68	2.8	2.8	7.7	2.7
105J_1989_3367	0	0.010	0.42	77	82.2	0.143	9	9.50	110	0.10	1.8	1.28	2.4	3.2	7.6	4.2
105J_1989_3368	0	0.005	0.29	68	76.6	0.293	11	13.76	82	0.18	2.6	2.69	4.0	3.6	8.3	4.6
105J_1989_3369	0	0.006	0.38	54	53.3	0.135	11	11.03	110	0.06	1.8	1.57	2.9	2.9	9.5	2.8
105J_1989_3370	0	0.005	0.49	69	64.1	0.123	11	11.82	100	0.06	2.0	1.75	2.9	3.0	10.0	2.3
105J_1989_3372	0	0.020	1.10	38	43.0	0.116	9	8.67	78	0.09	1.1	0.99	1.5	0.9	7.9	3.4
105J_1989_3373	0	0.006	0.44	39	39.6	0.188	13	10.99	110	0.06	1.5	1.37	2.4	3.0	10.0	1.9
105J_1989_3374	0	0.006	0.35	39	38.6	0.134	11	10.76	100	0.12	1.3	0.97	2.0	2.6	9.1	1.8
105J_1989_3375	0	0.004	0.27	38	38.6	0.141	11	9.82	91	0.06	1.4	1.19	2.4	2.7	8.3	2.3
105J_1989_3376	0	0.005	0.43	57	53.3	0.129	13	11.04	96	0.03	1.6	1.11	2.2	2.8	8.9	1.9
105J_1989_3377	0	0.009	0.68	24	26.5	0.091	15	14.25	110	0.05	1.9	1.49	2.9	2.4	8.9	1.5

Unique ID	Rep Stat	Sm INAA	Sn AAS	Sr ICP-MS	Ta INAA	Tb INAA	Te ICP-MS	Th ICP-MS	Th INAA	Ti ICP-MS	Tl ICP-MS	U ICP-MS	U INAA	U NADNC	V AAS	V ICP-MS
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.5	0.5	0.5	0.02	0.1	0.2	0.001	0.02	0.1	0.2	0.5	5	2
105J_1989_3342	0	5.0	3	39.8	0.9	0.9	0.05	0.8	7.0	0.011	0.29	3.1	5.9	5.7	35	72
105J_1989_3343	0	8.2	7	50.8	1.1	1.8	0.11	4.0	8.9	0.005	0.67	5.8	10.0	9.6	46	92
105J_1989_3345	0	7.9	3	52.1	1.4	1.6	0.15	3.0	8.7	0.004	0.24	4.0	8.6	7.0	79	107
105J_1989_3346	1	7.0	4	58.3	1.4	1.2	0.11	3.2	10.0	0.013	0.21	2.9	7.3	6.1	26	82
105J_1989_3347	2	7.0	2	58.3	1.3	1.1	0.07	3.1	10.0	0.013	0.22	3.1	7.2	6.4	35	84
105J_1989_3348	0	6.6	9	70.0	1.4	1.1	0.07	2.1	9.2	0.011	0.31	6.1	12.0	10.1	75	140
105J_1989_3349	0	6.1	5	88.0	1.3	1.1	0.15	2.1	8.0	0.008	0.31	4.8	9.0	8.3	86	131
105J_1989_3350	0	6.4	8	59.6	1.1	1.1	0.07	2.3	8.8	0.014	0.31	4.0	7.8	7.3	84	113
105J_1989_3351	0	6.7	5	97.2	1.2	1.1	0.12	2.9	9.5	0.010	0.37	6.8	12.0	10.5	118	166
105J_1989_3352	0	6.2	2	114.4	1.0	1.0	0.09	2.3	8.1	0.007	0.40	6.5	11.0	9.9	106	168
105J_1989_3353	0	6.8	4	97.2	1.4	1.1	0.07	2.8	11.0	0.003	0.26	3.4	7.6	7.1	49	66
105J_1989_3354	0	3.6	7	98.1	0.6	0.6	0.08	0.6	4.3	0.015	0.49	4.1	5.7	5.7	237	307
105J_1989_3355	0	10.2	4	53.2	0.5	1.9	0.08	2.5	9.4	0.001	0.85	1.5	4.2	4.5	53	61
105J_1989_3356	0	9.2	4	39.6	1.2	1.8	0.09	3.0	10.0	0.003	0.59	2.3	5.8	5.1	66	65
105J_1989_3357	0	4.0	6	103.1	0.8	0.8	0.06	2.8	5.8	0.006	0.25	1.4	3.1	3.4	42	56
105J_1989_3358	0	3.3	3	107.4	0.8	0.6	0.03	1.5	5.8	0.004	0.22	2.4	4.6	4.4	31	42
105J_1989_3359	0	5.7	4	49.1	1.3	1.0	0.07	2.0	9.2	0.007	0.28	2.5	5.9	5.7	34	67
105J_1989_3360	0	4.7	5	57.7	1.1	0.8	0.08	1.7	6.6	0.006	0.25	2.7	5.7	5.6	83	116
105J_1989_3362	0	5.2	6	64.3	1.1	0.9	0.08	2.6	8.3	0.006	0.28	2.8	6.5	6.1	97	90
105J_1989_3363	1	5.0	6	57.1	1.0	0.8	0.07	2.0	7.2	0.005	0.46	8.5	12.0	11.8	114	188
105J_1989_3364	2	5.1	6	56.2	1.1	1.0	0.06	2.1	7.3	0.005	0.43	8.8	13.0	12.5	126	189
105J_1989_3365	0	4.7	5	69.1	1.0	0.8	0.08	2.3	6.7	0.005	0.44	4.2	7.3	6.8	103	141
105J_1989_3366	0	4.8	2	47.5	0.9	0.8	0.07	2.1	7.4	0.007	0.24	2.4	5.3	5.3	65	74
105J_1989_3367	0	4.6	2	63.0	1.0	1.0	0.10	2.5	7.2	0.005	0.31	2.8	5.7	5.1	41	82
105J_1989_3368	0	5.3	6	58.1	1.0	1.0	0.10	3.8	7.2	0.006	0.34	3.6	6.6	6.3	65	109
105J_1989_3369	0	5.2	4	55.9	1.2	0.9	0.10	2.2	7.6	0.007	0.24	2.4	5.9	5.2	66	82
105J_1989_3370	0	5.3	6	58.6	1.2	1.0	0.07	2.2	8.2	0.007	0.22	2.5	5.8	5.4	87	84
105J_1989_3372	0	3.9	3	43.8	0.9	0.7	0.03	0.2	6.0	0.005	0.17	1.6	4.0	4.3	33	58
105J_1989_3373	0	5.1	7	85.2	1.2	0.9	0.08	2.4	8.1	0.007	0.24	3.0	7.3	6.5	52	87
105J_1989_3374	0	4.6	5	67.3	1.0	0.7	0.06	1.7	7.6	0.006	0.22	2.4	5.7	5.1	32	62
105J_1989_3375	0	4.7	4	61.7	1.0	0.6	0.07	2.6	6.9	0.007	0.18	2.1	5.3	4.3	28	53
105J_1989_3376	0	5.1	5	62.1	1.1	0.9	0.08	2.5	8.2	0.008	0.15	2.0	5.3	4.9	39	51
105J_1989_3377	0	5.3	<1	54.9	1.1	0.8	0.07	2.2	10.0	0.007	0.17	1.3	4.6	4.0	56	38

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_3342	0	<0.1	<1	26.19	2	272	275.1
105J_1989_3343	0	<0.1	<1	25.83	4	533	483.7
105J_1989_3345	0	<0.1	<1	42.01	4	205	222.1
105J_1989_3346	1	0.6	2	25.36	4	217	228.8
105J_1989_3347	2	0.4	2	45.72	4	216	230.7
105J_1989_3348	0	0.2	3	37.87	3	626	583.0
105J_1989_3349	0	0.1	1	40.23	3	555	554.4
105J_1989_3350	0	1.0	3	34.43	3	803	712.9
105J_1989_3351	0	0.1	2	37.69	3	434	446.3
105J_1989_3352	0	0.2	2	34.15	3	1230	1165.6
105J_1989_3353	0	<0.1	<1	31.41	3	189	184.3
105J_1989_3354	0	<0.1	1	22.10	<2	2250	2075.0
105J_1989_3355	0	<0.1	<1	24.16	2	535	510.2
105J_1989_3356	0	<0.1	1	33.27	3	384	435.7
105J_1989_3357	0	<0.1	<1	18.52	<2	199	188.6
105J_1989_3358	0	<0.1	<1	18.53	<2	154	154.7
105J_1989_3359	0	0.7	2	39.91	3	239	237.8
105J_1989_3360	0	<0.1	<1	38.35	3	171	174.3
105J_1989_3362	0	<0.1	2	34.82	3	237	256.6
105J_1989_3363	1	<0.1	2	15.32	3	602	570.3
105J_1989_3364	2	<0.1	1	35.07	2	538	525.9
105J_1989_3365	0	<0.1	1	25.70	3	669	629.7
105J_1989_3366	0	<0.1	2	36.26	<2	208	211.8
105J_1989_3367	0	<0.1	<1	29.42	<2	316	345.0
105J_1989_3368	0	<0.1	1	28.04	2	316	323.7
105J_1989_3369	0	<0.1	1	42.75	3	227	230.9
105J_1989_3370	0	<0.1	2	38.07	2	273	311.4
105J_1989_3372	0	<0.1	<1	26.18	<2	128	127.5
105J_1989_3373	0	<0.1	1	44.42	2	182	196.2
105J_1989_3374	0	<0.1	<1	39.69	2	178	170.2
105J_1989_3375	0	<0.1	1	46.24	2	160	153.7
105J_1989_3376	0	<0.1	1	43.52	<2	193	177.9
105J_1989_3377	0	0.8	2	40.15	<2	149	143.0

Unique ID	Rep Stat	Ag AAS	Ag ICP-MS	Al ICP-MS	As HY-AAS	As ICP-MS	As INAA	Au INAA	Au1 INAA	Au1_wt -	B ICP-MS	Ba ICP-MS	Ba INAA	Bi ICP-MS	Br INAA	Ca ICP-MS
		ppm	ppb	%	ppm	ppm	ppm	ppb	ppb	g	ppm	ppm	ppm	ppm	ppm	%
		0.2	2	0.01	1	0.1	0.5	2	2	0.01	1	0.5	50	0.02	0.5	0.01
105J_1989_3378	0	1.5	1466	0.95	6	7.6	12.0	11			6	540.0	2100	0.16	9.0	0.54
105J_1989_3379	0	1.4	1530	1.60	14	20.4	27.0	13			4	989.9	3600	0.32	2.4	0.18
105J_1989_3380	0	1.7	1742	0.85	30	38.8	47.0	9			5	1015.9	4000	0.21	13.0	0.82
105J_1989_3382	1	0.8	817	0.94	7	12.1	16.0	7			4	786.5	3200	0.19	1.8	0.75
105J_1989_3383	2	0.8	916	1.02	9	13.3	18.0	8			5	839.8	3300	0.20	2.3	0.79
105J_1989_3384	0	2.1	2043	0.96	14	17.2	22.0	14	12	31.60	5	1234.7	6130	0.24	2.1	0.69
105J_1989_3385	0	0.6	835	0.59	7	8.6	11.0	5			5	425.2	2000	0.12	3.5	1.28
105J_1989_3386	0	0.8	991	0.90	17	22.5	29.0	10			5	986.2	4600	0.21	2.7	0.84
105J_1989_3387	0	1.1	1115	0.82	18	26.0	30.0	14	11	30.31	5	691.4	7350	0.27	3.3	0.63
105J_1989_3388	0	0.6	858	0.99	50	25.2	32.0	10			4	1402.2	5430	0.29	1.7	0.50
105J_1989_3389	0	0.6	598	1.10	13	19.2	23.0	5			4	796.2	3100	0.27	1.7	0.35
105J_1989_3390	0	0.3	178	1.68	1	3.3	4.0	<2			1	59.9	64	<0.02	10.0	0.34
105J_1989_3391	0	2.1	2144	1.00	10	9.3	19.0	13			5	237.5	1900	0.17	6.7	1.40
105J_1989_3392	0	0.6	682	0.26	9	34.3	31.0	4			1	102.1	210	0.08	29.0	0.28
105J_1989_3393	0	0.8	925	2.98	11	31.3	32.0	5			7	51.5	340	0.09	6.7	0.31

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Unique ID	Rep Stat	Cd AAS	Cd ICP-MS	Ce INAA	Co AAS	Co ICP-MS	Co INAA	Cr ICP-MS	Cr INAA	Cs INAA	Cu AAS	Cu ICP-MS	Eu INAA	F ISE	Fe AAS	Fe ICP-MS	Fe INAA
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	%	pct
		0.2	0.01	5	2	0.1	5	0.5	20	0.5	2	0.01	1	20	0.02	0.01	0.2
105J_1989_3378	0	3.4	4.06	36	8	5.2	7	18.4	74	5.1	57	59.99	<1	392	2.40	1.93	2.7
105J_1989_3379	0	5.6	5.77	44	10	6.4	7	31.0	100	5.5	77	83.40	<1	495	3.02	2.50	2.7
105J_1989_3380	0	9.3	9.76	37	11	10.1	11	19.1	90	4.1	71	77.55	<1	509	3.10	3.42	4.2
105J_1989_3382	1	2.2	2.72	52	8	5.9	6	19.8	85	3.9	45	47.17	<1	551	1.52	1.30	1.8
105J_1989_3383	2	2.7	3.02	49	9	6.4	8	21.4	87	4.1	50	52.08	<1	508	1.74	1.43	1.9
105J_1989_3384	0	5.2	5.59	55	10	9.0	10	34.2	120	4.0	93	98.49	<1	574	1.99	2.08	2.8
105J_1989_3385	0	7.3	6.98	42	8	7.2	9	19.9	86	2.7	49	50.54	<1	456	1.22	1.12	1.7
105J_1989_3386	0	6.1	6.32	61	12	11.3	14	21.7	100	4.1	65	63.99	<1	597	2.39	2.41	3.0
105J_1989_3387	0	5.1	5.42	63	15	15.0	17	18.8	100	4.6	72	79.38	<1	616	2.96	3.27	4.1
105J_1989_3388	0	5.6	5.86	62	13	12.2	14	22.5	96	4.5	58	60.61	<1	524	2.42	2.41	3.0
105J_1989_3389	0	1.2	1.94	46	8	6.5	9	17.7	69	4.6	33	35.46	<1	441	1.91	1.85	2.2
105J_1989_3390	0	7.9	10.42	<5	18	6.9	6	7.4	<20	<0.5	73	94.66	<1	170	24.60	21.58	22.2
105J_1989_3391	0	15.4	14.83	31	6	4.4	5	24.4	90	3.4	66	70.09	<1	454	1.31	1.08	1.9
105J_1989_3392	0	<0.2	0.40	<5	17	1.4	<5	15.4	<20	1.8	22	26.17	<1	80	26.50	23.19	23.9
105J_1989_3393	0	20.5	22.75	16	89	102.7	96	7.9	21	6.1	150	161.60	2	466	6.33	5.89	6.0

Unique ID	Rep Stat	Ga ICP-MS ppm 0.2	Hf INAA ppm 1	Hg CV-AAS ppb 10	Hg ICP-MS ppb 5	K ICP-MS % 0.01	La ICP-MS ppm 0.5	La INAA ppm 2	LOI GRAV pct 1.0	Lu INAA ppm 0.2	Mg ICP-MS % 0.01	Mn AAS ppm 5	Mn ICP-MS ppm 1	Mo AAS ppm 2	Mo ICP-MS ppm 0.01	Mo INAA ppm 1
105J_1989_3378	0	2.8	3	349	689	0.14	7.8	23	17.2	<0.2	0.20	1335	1205	<2	2.37	4
105J_1989_3379	0	4.4	3	198	433	0.14	16.3	29	10.4	<0.2	0.28	308	321	11	12.20	16
105J_1989_3380	0	2.4	4	220	560	0.12	9.3	27	14.9	<0.2	0.21	1905	2285	10	12.47	15
105J_1989_3382	1	3.0	3	198	240	0.12	12.7	27	11.1	<0.2	0.27	268	271	7	8.37	12
105J_1989_3383	2	3.3	4	216	234	0.13	13.3	30	12.3	<0.2	0.28	339	338	7	9.39	12
105J_1989_3384	0	3.1	4	349	450	0.14	15.9	35	9.4	<0.2	0.31	277	334	9	10.49	13
105J_1989_3385	0	2.0	3	198	244	0.07	8.7	24	24.2	<0.2	0.22	706	571	4	5.36	7
105J_1989_3386	0	2.7	4	220	261	0.13	13.4	37	10.5	<0.2	0.34	927	993	12	13.04	18
105J_1989_3387	0	2.5	6	214	246	0.12	13.5	41	7.8	<0.2	0.27	1727	2063	9	10.35	13
105J_1989_3388	0	3.1	6	184	223	0.14	16.7	38	5.8	<0.2	0.27	602	706	9	11.28	13
105J_1989_3389	0	3.4	4	155	186	0.13	14.8	27	5.4	<0.2	0.29	510	539	3	4.65	6
105J_1989_3390	0	0.2	<1	48	45	0.01	8.4	8	63.2	<0.2	0.03	109	113	<2	0.48	<1
105J_1989_3391	0	2.6	2	1071	973	0.08	6.9	22	28.8	<0.2	0.19	61	54	20	23.36	28
105J_1989_3392	0	0.5	<1	528	602	0.02	2.5	4	57.4	<0.2	0.04	85	102	5	9.41	6
105J_1989_3393	0	0.9	<1	680	712	0.06	8.9	14	40.4	<0.2	0.05	125	162	11	11.73	12

Unique ID	Rep Stat	Na ICP-MS % 0.001	Na INAA pct 0.02	Ni AAS ppm 2	Ni ICP-MS ppm 0.1	P ICP-MS % 0.001	Pb AAS ppm 2	Pb ICP-MS ppm 0.01	Rb INAA ppm 5	S ICP-MS % 0.01	Sb HY-AAS ppm 0.2	Sb ICP-MS ppm 0.02	Sb INAA ppm 0.1	Sc ICP-MS ppm 0.1	Sc INAA ppm 0.2	Se ICP-MS ppm 0.1
105J_1989_3378	0	0.017	1.00	50	52.7	0.126	8	8.30	96	0.21	1.6	1.57	2.9	2.4	7.3	3.5
105J_1989_3379	0	0.004	0.27	40	39.6	0.159	13	13.28	120	0.04	6.0	2.93	7.8	3.4	9.1	4.5
105J_1989_3380	0	0.007	0.36	105	104.9	0.248	13	11.50	91	0.15	3.6	4.03	6.8	2.5	8.6	6.5
105J_1989_3382	1	0.009	0.54	51	51.6	0.148	8	8.54	110	0.10	1.9	1.81	3.2	2.4	7.8	4.9
105J_1989_3383	2	0.010	0.55	56	55.9	0.148	8	8.93	100	0.11	2.1	2.00	3.7	2.6	8.7	5.6
105J_1989_3384	0	0.007	0.47	87	82.9	0.182	13	12.22	120	0.10	5.0	4.43	7.4	3.3	10.0	5.5
105J_1989_3385	0	0.015	0.73	83	93.1	0.145	6	5.60	66	0.18	2.0	2.73	3.5	1.8	6.8	5.7
105J_1989_3386	0	0.009	0.51	105	103.9	0.165	11	11.12	110	0.14	5.0	3.74	6.6	2.7	9.3	5.4
105J_1989_3387	0	0.009	0.50	83	82.2	0.174	14	12.74	110	0.32	4.0	3.72	6.3	3.3	9.2	7.0
105J_1989_3388	0	0.012	0.60	69	65.5	0.169	13	12.04	110	0.07	4.0	3.59	6.7	2.8	8.6	5.1
105J_1989_3389	0	0.014	0.70	37	37.0	0.122	10	9.59	120	0.04	2.7	1.64	3.1	2.3	7.3	2.2
105J_1989_3390	0	0.003	<0.02	43	88.0	0.064	<2	1.06	<5	0.84	0.2	0.80	0.7	2.0	1.8	2.8
105J_1989_3391	0	0.014	0.80	152	148.5	0.150	9	9.01	80	0.91	2.7	4.74	6.4	1.7	6.7	36.9
105J_1989_3392	0	0.005	0.10	3	16.0	0.210	2	3.28	<5	0.27	0.6	2.05	1.7	4.0	3.6	13.4
105J_1989_3393	0	0.004	0.13	741	733.7	0.077	5	5.55	30	3.82	2.0	2.68	3.1	4.7	6.0	8.3

Unique ID	Rep Stat	Sm INAA ppm 0.1	Sn AAS ppm 1	Sr ICP-MS ppm 0.5	Ta INAA ppm 0.5	Tb INAA ppm 0.5	Te ICP-MS ppm 0.02	Th ICP-MS ppm 0.1	Th INAA ppm 0.2	Ti ICP-MS % 0.001	Tl ICP-MS ppm 0.02	U ICP-MS ppm 0.1	U INAA ppm 0.2	U NADNC ppm 0.5	V AAS ppm 5	V ICP-MS ppm 2
105J_1989_3378	0	3.9	6	59.8	0.7	0.7	0.06	1.3	6.4	0.008	0.28	2.9	5.7	5.8	77	81
105J_1989_3379	0	5.7	5	48.0	1.0	1.1	0.08	2.5	10.0	0.008	0.45	6.6	11.0	9.1	112	177
105J_1989_3380	0	5.4	7	98.0	0.9	0.9	0.10	1.1	7.0	0.008	0.32	8.6	13.0	11.9	136	187
105J_1989_3382	1	4.4	5	60.1	0.8	1.0	0.05	2.7	7.2	0.012	0.28	9.3	13.0	11.4	84	107
105J_1989_3383	2	4.8	10	60.7	1.0	0.8	0.04	2.6	7.7	0.013	0.29	10.3	14.0	12.8	102	115
105J_1989_3384	0	6.1	6	112.0	1.2	1.0	0.09	2.4	8.7	0.011	0.49	9.1	13.0	12.7	123	221
105J_1989_3385	0	3.7	9	99.9	0.7	0.6	0.06	1.7	5.2	0.014	0.43	16.5	20.0	19.6	92	98
105J_1989_3386	0	5.8	8	70.6	1.2	1.1	0.08	2.9	9.0	0.012	0.37	6.0	10.0	9.6	62	108
105J_1989_3387	0	6.6	6	79.9	0.9	0.9	0.12	3.3	11.0	0.014	0.31	5.3	9.4	8.6	82	102
105J_1989_3388	0	6.3	9	66.4	1.0	0.9	0.08	3.5	11.0	0.018	0.34	4.3	8.4	7.7	69	124
105J_1989_3389	0	4.8	6	40.2	1.0	0.6	0.06	2.8	8.9	0.023	0.27	4.3	7.4	6.5	42	78
105J_1989_3390	0	2.3	<1	21.9	<0.5	0.6	<0.02	0.7	0.5	0.002	0.08	6.0	5.9	5.6	41	18
105J_1989_3391	0	3.3	7	70.9	<0.5	0.7	0.07	0.6	5.8	0.010	0.45	19.3	23.1	23.0	170	202
105J_1989_3392	0	1.7	1	23.3	<0.5	<0.5	0.03	1.9	2.2	0.004	0.10	1.7	1.6	1.7	54	62
105J_1989_3393	0	6.5	3	16.5	<0.5	1.7	0.05	1.5	2.1	0.004	7.15	20.8	20.3	22.7	37	35

Unique ID	Rep Stat	W ICP-MS ppm 0.1	W INAA ppm 1	wt INAA g 0.01	Yb INAA ppm 2	Zn AAS ppm 2	Zn ICP-MS ppm 0.1
105J_1989_3378	0	0.1	<1	21.14	2	292	283.6
105J_1989_3379	0	0.3	2	30.91	2	265	264.8
105J_1989_3380	0	0.1	<1	24.51	3	1150	1068.0
105J_1989_3382	1	0.5	1	15.59	<2	317	339.9
105J_1989_3383	2	0.2	<1	32.10	2	344	361.5
105J_1989_3384	0	0.2	2	34.96	3	714	673.6
105J_1989_3385	0	0.2	<1	25.37	<2	517	485.5
105J_1989_3386	0	0.6	2	38.82	2	787	726.3
105J_1989_3387	0	2.9	3	40.04	3	567	540.4
105J_1989_3388	0	1.5	2	43.10	3	505	506.0
105J_1989_3389	0	0.5	2	39.54	<2	258	267.1
105J_1989_3390	0	<0.1	<1	23.98	2	803	741.5
105J_1989_3391	0	<0.1	<1	12.09	<2	1180	1027.5
105J_1989_3392	0	0.1	<1	15.11	<2	48	49.5
105J_1989_3393	0	<0.1	<1	14.96	3	5060	4800.9

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1002	1	40	7.1	<0.05
105J_1989_1003	2	30	7.1	<0.05
105J_1989_1004	0	40	7.6	0.09
105J_1989_1005	0	40	7.0	0.05
105J_1989_1006	0	50	7.4	0.20
105J_1989_1007	0	30	7.3	0.23
105J_1989_1008	0	50	7.4	0.17
105J_1989_1009	0	40	7.0	0.13
105J_1989_1010	0	30	6.9	<0.05
105J_1989_1011	0	20	6.9	<0.05
105J_1989_1012	0	150	6.8	<0.05
105J_1989_1013	0	80	7.0	0.34
105J_1989_1014	0	550	7.0	27.08
105J_1989_1015	0	100	7.5	0.26
105J_1989_1016	0	1300	7.0	0.47
105J_1989_1017	0	150	7.5	0.39
105J_1989_1019	0	70	7.2	0.41
105J_1989_1020	0			
105J_1989_1022	0	140	7.4	4.06
105J_1989_1023	0	100	7.0	<0.05
105J_1989_1024	0	70	7.9	0.67
105J_1989_1025	1	60	7.5	0.46
105J_1989_1026	2	60	7.5	0.46
105J_1989_1027	0	60	7.5	4.19
105J_1989_1028	0	250	7.2	2.13
105J_1989_1029	0	90	7.6	1.36
105J_1989_1030	0	50	7.5	0.32
105J_1989_1031	0	50	7.2	<0.05
105J_1989_1032	0	60	7.2	0.29
105J_1989_1033	0	40	7.2	<0.05
105J_1989_1034	0	60	7.0	0.75
105J_1989_1035	0	40	7.0	<0.05
105J_1989_1036	0	80	7.7	1.67

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1037	0	50	7.7	<0.05
105J_1989_1039	0	40	7.5	1.07
105J_1989_1040	0	50	7.5	0.67
105J_1989_1042	0	40	7.1	0.13
105J_1989_1044	1	60	7.1	0.58
105J_1989_1045	2	50	7.5	0.63
105J_1989_1046	0	40	7.5	1.19
105J_1989_1047	0	50	7.7	0.44
105J_1989_1048	0	40	7.3	0.14
105J_1989_1049	0	30	7.2	0.17
105J_1989_1050	0	30	6.5	<0.05
105J_1989_1051	0	40	7.1	<0.05
105J_1989_1052	0	40	7.1	<0.05
105J_1989_1053	0	30	7.7	0.29
105J_1989_1054	0	30	7.3	0.22
105J_1989_1055	0	30	7.3	0.18
105J_1989_1056	0	40	7.0	<0.05
105J_1989_1057	0	70	7.8	1.00
105J_1989_1058	0	100	7.6	2.38
105J_1989_1059	0	100	6.4	0.06
105J_1989_1060	0	130	6.6	0.06
105J_1989_1062	1	80	7.3	0.49
105J_1989_1063	2	70	7.5	0.46
105J_1989_1064	0	40	7.3	0.05
105J_1989_1065	0	40	7.8	0.35
105J_1989_1066	0	60	8.1	2.65
105J_1989_1068	0	70	7.8	1.14
105J_1989_1069	0	60	7.2	0.13
105J_1989_1070	0	50	7.8	0.70
105J_1989_1071	0	50	7.0	<0.05
105J_1989_1072	0	40	7.9	1.44
105J_1989_1073	0	40	7.9	0.68
105J_1989_1074	0	50	7.6	<0.05

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1075	0	40	7.4	<0.05
105J_1989_1076	0	60	7.7	1.03
105J_1989_1077	0	100	7.8	0.41
105J_1989_1078	0	150	8.1	5.29
105J_1989_1079	0	120	7.8	0.23
105J_1989_1080	0	200	7.5	<0.05
105J_1989_1082	1	70	7.2	0.38
105J_1989_1083	2	70	7.5	0.36
105J_1989_1084	0	80	7.6	1.08
105J_1989_1085	0	130	7.4	1.63
105J_1989_1086	0	70	7.5	0.06
105J_1989_1087	0	150	7.7	0.70
105J_1989_1089	0	110	7.2	0.10
105J_1989_1090	0	130	7.7	3.21
105J_1989_1091	0	90	7.1	0.25
105J_1989_1092	0	80	7.3	0.46
105J_1989_1093	0	80	6.9	<0.05
105J_1989_1094	0	60	6.6	<0.05
105J_1989_1095	0	60	7.1	<0.05
105J_1989_1096	0	70	7.2	3.21
105J_1989_1097	0			
105J_1989_1098	0	50	6.5	<0.05
105J_1989_1099	0	650	6.4	<0.05
105J_1989_1100	0	300	6.7	0.88
105J_1989_1102	1	350	7.0	0.34
105J_1989_1103	2	340	6.8	0.17
105J_1989_1104	0	250	6.9	0.25
105J_1989_1105	0	150	6.8	<0.05
105J_1989_1106	0			
105J_1989_1107	0	70	6.0	<0.05
105J_1989_1108	0	70	6.5	<0.05
105J_1989_1109	0	60	6.4	<0.05
105J_1989_1110	0	90	6.6	<0.05

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1111	0	200	6.8	<0.05
105J_1989_1112	0	130	3.2	0.75
105J_1989_1113	0	210	6.2	<0.05
105J_1989_1114	0	150	6.4	<0.05
105J_1989_1115	0	160	6.4	<0.05
105J_1989_1117	0	140	7.1	0.81
105J_1989_1118	0	150	6.7	0.69
105J_1989_1119	0	110	7.1	0.38
105J_1989_1120	0	210	7.2	<0.05
105J_1989_1122	0	60	6.9	<0.05
105J_1989_1123	1	80	6.5	<0.05
105J_1989_1124	2	80	6.3	0.08
105J_1989_1125	0	70	6.5	0.06
105J_1989_1126	0	150	6.9	<0.05
105J_1989_1127	0	190	7.4	<0.05
105J_1989_1128	0	380	7.2	0.22
105J_1989_1129	0	180	7.5	0.13
105J_1989_1131	0	130	7.3	<0.05
105J_1989_1132	0			
105J_1989_1133	0	320	7.5	2.81
105J_1989_1134	0	200	7.4	0.40
105J_1989_1135	0	300	7.0	0.09
105J_1989_1136	0	380	6.9	0.50
105J_1989_1137	0	620	7.7	7.50
105J_1989_1138	0			
105J_1989_1139	0	150	7.4	0.22
105J_1989_1140	0	280	7.6	1.88
105J_1989_1142	0	200	6.9	0.11
105J_1989_1143	0	300	7.2	1.91
105J_1989_1144	1	400	7.1	2.81
105J_1989_1146	2	350	7.1	3.24
105J_1989_1147	0	290	7.4	1.76
105J_1989_1148	0	650	7.3	2.00

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1149	0	720	7.7	4.86
105J_1989_1150	0	150	6.4	<0.05
105J_1989_1151	0	250	6.4	0.08
105J_1989_1152	0	280	6.8	0.22
105J_1989_1153	0	500	7.1	1.39
105J_1989_1154	0	260	7.1	0.94
105J_1989_1155	0	250	7.0	1.00
105J_1989_1156	0	280	7.0	0.33
105J_1989_1157	0	200	7.2	0.09
105J_1989_1158	0	240	7.3	0.58
105J_1989_1159	0	300	7.3	1.90
105J_1989_1160	0	210	7.8	1.91
105J_1989_1162	1	300	7.6	1.84
105J_1989_1163	2	300	7.2	1.75
105J_1989_1164	0	80	7.0	<0.05
105J_1989_1165	0	110	7.6	0.39
105J_1989_1166	0	80	8.0	1.29
105J_1989_1167	0	70	7.3	6.25
105J_1989_1168	0	100	7.2	<0.05
105J_1989_1169	0			
105J_1989_1170	0	110	7.2	0.56
105J_1989_1171	0	90	7.5	0.34
105J_1989_1172	0	100	7.4	0.31
105J_1989_1174	0	70	7.4	<0.05
105J_1989_1175	0	60	6.4	<0.05
105J_1989_1176	0	70	7.1	0.61
105J_1989_1177	0	80	7.9	0.61
105J_1989_1178	0	100	7.3	0.14
105J_1989_1179	0	100	7.7	14.64
105J_1989_1180	0	180	7.6	5.21
105J_1989_1182	1	100	7.0	4.50
105J_1989_1183	2	90	7.3	5.50
105J_1989_1184	0	80	7.6	0.64

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1185	0	400	7.1	4.25
105J_1989_1186	0	110	7.5	0.95
105J_1989_1188	0	110	8.3	1.85
105J_1989_1189	0	200	7.7	0.07
105J_1989_1190	0			
105J_1989_1191	0	90	7.6	0.56
105J_1989_1192	0	100	7.6	0.18
105J_1989_1193	0	100	7.3	0.73
105J_1989_1194	0	110	7.5	0.54
105J_1989_1195	0	200	7.9	3.83
105J_1989_1196	0	130	7.5	0.65
105J_1989_1197	0	120	7.6	0.60
105J_1989_1198	0	120	7.5	0.70
105J_1989_1199	0	990	7.7	2.31
105J_1989_1200	0	120	7.2	<0.05
105J_1989_1202	1	80	7.1	<0.05
105J_1989_1204	2	90	7.1	<0.05
105J_1989_1205	0	100	7.3	0.10
105J_1989_1206	0	110	7.2	<0.05
105J_1989_1207	0	100	7.5	0.08
105J_1989_1208	0	80	6.8	1.50
105J_1989_1209	0	80	7.7	0.15
105J_1989_1210	0	60	6.2	<0.05
105J_1989_1211	0	60	7.4	0.19
105J_1989_1212	0	60	7.3	0.50
105J_1989_1213	0	70	7.8	0.58
105J_1989_1214	0	90	7.3	0.50
105J_1989_1215	0	70	7.7	0.58
105J_1989_1216	0	90	7.7	0.85
105J_1989_1217	0	60	7.6	0.46
105J_1989_1218	0	40	7.4	<0.05
105J_1989_1219	0	40	7.7	0.81
105J_1989_1220	0	30	7.8	0.45

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1222	0	50	7.1	0.50
105J_1989_1223	0	80	7.0	<0.05
105J_1989_1224	0	60	6.9	<0.05
105J_1989_1225	0	40	4.2	<0.05
105J_1989_1226	0	30	6.6	<0.05
105J_1989_1227	0	100	7.3	0.32
105J_1989_1228	0	150	7.1	0.26
105J_1989_1229	0	80	7.3	0.17
105J_1989_1230	0	90	7.6	0.21
105J_1989_1231	0	100	7.6	0.48
105J_1989_1232	0	60	7.5	0.64
105J_1989_1233	0	70	7.5	1.17
105J_1989_1234	0	110	7.4	<0.05
105J_1989_1235	1	120	7.2	<0.05
105J_1989_1236	2	130	7.3	<0.05
105J_1989_1237	0	140	7.5	0.25
105J_1989_1238	0	200	7.3	0.06
105J_1989_1239	0	400	7.5	4.63
105J_1989_1242	0	190	7.5	2.30
105J_1989_1243	1	170	7.6	3.21
105J_1989_1244	2	160	7.6	2.81
105J_1989_1245	0	80	6.3	<0.05
105J_1989_1246	0	220	6.5	<0.05
105J_1989_1247	0	290	7.8	6.11
105J_1989_1248	0	230	7.9	6.39
105J_1989_1250	0	170	7.9	7.19
105J_1989_1251	0	280	7.9	6.41
105J_1989_1252	0	150	7.6	3.28
105J_1989_1253	0	130	7.6	0.41
105J_1989_1254	0	150	7.5	0.15
105J_1989_1255	0	80	7.3	<0.05
105J_1989_1256	0	120	7.0	<0.05
105J_1989_1257	0	190	6.8	0.09

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1258	0	170	7.1	<0.05
105J_1989_1259	0	140	7.5	3.57
105J_1989_1260	0	230	7.9	3.40
105J_1989_1262	0	170	7.8	<0.05
105J_1989_1264	0	120	7.6	4.38
105J_1989_1265	1	200	7.6	1.88
105J_1989_1266	2	210	7.4	1.75
105J_1989_1267	0	550	7.1	<0.05
105J_1989_1268	0	520	6.4	<0.05
105J_1989_1269	0	230	6.9	0.17
105J_1989_1270	0	350	6.9	0.07
105J_1989_1271	0	300	6.3	<0.05
105J_1989_1272	0	160	5.9	0.17
105J_1989_1273	0	750	3.9	0.08
105J_1989_1274	0	150	7.0	2.33
105J_1989_1275	0	140	4.4	4.25
105J_1989_1276	0	250	7.4	0.56
105J_1989_1277	0	260	7.2	4.29
105J_1989_1278	0	500	7.2	10.80
105J_1989_1279	0			
105J_1989_1280	0	240	7.9	3.68
105J_1989_1282	1	260	7.5	5.17
105J_1989_1283	2	300	7.8	5.00
105J_1989_1284	0	280	7.8	6.15
105J_1989_1285	0	300	8.1	4.06
105J_1989_1286	0	400	7.9	2.33
105J_1989_1287	0	310	7.5	3.28
105J_1989_1288	0	230	7.9	3.24
105J_1989_1289	0	120	7.5	0.17
105J_1989_1290	0			
105J_1989_1291	0	180	7.5	1.68
105J_1989_1292	0	210	7.7	0.45
105J_1989_1294	0	100	6.5	<0.05

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1295	0	70	6.8	0.20
105J_1989_1296	0	120	6.9	0.50
105J_1989_1297	0			
105J_1989_1298	0	90	7.0	0.86
105J_1989_1299	0	140	7.8	3.44
105J_1989_1300	0	180	7.7	2.38
105J_1989_1302	0	220	7.5	5.71
105J_1989_1303	0	140	7.5	2.35
105J_1989_1304	0	110	7.2	0.07
105J_1989_1305	0	130	7.2	1.67
105J_1989_1306	0	120	4.0	0.54
105J_1989_1308	1	150	7.8	1.94
105J_1989_1309	2	140	7.8	1.59
105J_1989_1310	0	220	7.5	5.00
105J_1989_1311	0	260	7.6	1.17
105J_1989_1312	0	350	7.4	2.14
105J_1989_1313	0	340	6.6	0.08
105J_1989_1314	0	190	7.0	0.91
105J_1989_1315	0	160	6.8	<0.05
105J_1989_1316	0	190	7.4	3.75
105J_1989_1317	0	110	7.6	1.18
105J_1989_1318	0	120	7.4	1.21
105J_1989_1319	0			
105J_1989_1320	0	90	7.7	0.58
105J_1989_1322	0	200	7.8	4.70
105J_1989_1323	0	130	7.4	0.95
105J_1989_1324	0	40	5.9	<0.05
105J_1989_1325	0	90	7.1	0.31
105J_1989_1326	0	50	7.3	1.11
105J_1989_1327	0	60	7.2	1.06
105J_1989_1328	0	120	7.4	0.26
105J_1989_1329	0	90	7.2	0.23
105J_1989_1330	0	120	6.5	<0.05

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1331	0	180	6.8	<0.05
105J_1989_1332	1	250	7.3	2.00
105J_1989_1333	2	260	7.5	3.21
105J_1989_1335	0	120	6.7	0.08
105J_1989_1336	0	130	7.1	1.02
105J_1989_1337	0	350	6.8	0.32
105J_1989_1338	0	330	7.6	1.67
105J_1989_1339	0	180	7.6	0.80
105J_1989_1340	0	170	7.8	1.52
105J_1989_1342	1	230	6.7	0.13
105J_1989_1343	2	250	6.6	0.11
105J_1989_1344	0	400	6.9	0.25
105J_1989_1345	0	350	7.0	0.17
105J_1989_1346	0	110	7.6	0.90
105J_1989_1347	0	100	7.2	0.43
105J_1989_1348	0	80	7.1	0.05
105J_1989_1349	0	80	7.7	0.50
105J_1989_1350	0	160	7.0	0.21
105J_1989_1351	0	140	6.8	<0.05
105J_1989_1352	0			
105J_1989_1354	0	150	6.7	<0.05
105J_1989_1355	0	200	7.4	0.70
105J_1989_1356	0	220	6.9	<0.05
105J_1989_1357	0	850	6.8	<0.05
105J_1989_1358	0	200	7.2	0.05
105J_1989_1359	0	250	7.2	0.89
105J_1989_1360	0	170	7.2	0.07
105J_1989_1362	0	150	7.0	0.09
105J_1989_1363	0	70	7.5	0.18
105J_1989_1364	0	80	6.4	<0.05
105J_1989_1365	0	60	7.8	0.31
105J_1989_1366	1	70	7.3	0.06
105J_1989_1367	2	80	7.1	<0.05

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1368	0			
105J_1989_1369	0	50	7.4	0.78
105J_1989_1370	0	60	7.4	0.65
105J_1989_1371	0	60	7.3	0.18
105J_1989_1372	0	150	6.9	0.17
105J_1989_1373	0	130	6.8	<0.05
105J_1989_1374	0			
105J_1989_1375	0	110	6.3	<0.05
105J_1989_1376	0	100	7.4	0.29
105J_1989_1377	0			
105J_1989_1378	0	100	5.9	<0.05
105J_1989_1379	0	80	6.8	<0.05
105J_1989_1382	1	80	6.8	<0.05
105J_1989_1383	2	60	6.4	<0.05
105J_1989_1384	0	60	6.7	<0.05
105J_1989_1385	0	50	6.1	<0.05
105J_1989_1386	0	50	7.7	0.14
105J_1989_1387	0	30	7.3	<0.05
105J_1989_1388	0	30	7.4	0.15
105J_1989_1390	0	50	6.7	<0.05
105J_1989_1391	0	50	7.8	0.18
105J_1989_1392	0	40	7.0	0.05
105J_1989_1393	0	30	6.5	<0.05
105J_1989_1394	0	40	7.2	0.10
105J_1989_1395	0	50	7.4	0.28
105J_1989_1396	0	40	7.6	0.20
105J_1989_1397	0	30	7.8	<0.05
105J_1989_1398	0	30	7.4	0.07
105J_1989_1399	0	40	7.9	0.55
105J_1989_1400	0	30	7.4	0.05
105J_1989_1402	0	100	7.0	<0.05
105J_1989_1403	0	90	7.5	0.07
105J_1989_1405	0	80	7.2	0.05

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1406	1	90	7.2	0.05
105J_1989_1407	2	100	7.3	<0.05
105J_1989_1408	0	80	6.2	<0.05
105J_1989_1409	0	110	6.8	<0.05
105J_1989_1410	0	120	6.7	<0.05
105J_1989_1411	0	130	7.1	<0.05
105J_1989_1412	0	170	7.2	<0.05
105J_1989_1413	0	120	7.0	<0.05
105J_1989_1414	0	150	5.3	<0.05
105J_1989_1415	0	180	7.3	<0.05
105J_1989_1416	0	250	7.2	0.14
105J_1989_1417	0	180	6.9	0.11
105J_1989_1418	0	160	6.5	<0.05
105J_1989_1419	0	170	3.9	0.08
105J_1989_1420	0	150	7.6	0.11
105J_1989_1422	0	150	6.7	<0.05
105J_1989_1423	0	210	4.4	0.08
105J_1989_1424	0	200	7.0	<0.05
105J_1989_1425	1	100	6.6	<0.05
105J_1989_1426	2	70	6.7	<0.05
105J_1989_1427	0	80	6.7	<0.05
105J_1989_1428	0	80	7.0	<0.05
105J_1989_1430	0	120	7.1	0.05
105J_1989_1431	0	130	6.6	<0.05
105J_1989_1432	0	140	7.0	<0.05
105J_1989_1433	0	130	7.1	<0.05
105J_1989_1434	0	110	6.6	<0.05
105J_1989_1435	0	100	7.0	0.06
105J_1989_1436	0	200	7.1	<0.05
105J_1989_1437	0	110	6.5	<0.05
105J_1989_1438	0	220	7.5	0.06
105J_1989_1439	0	210	7.6	0.53
105J_1989_1440	0	200	7.2	0.22

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1442	1	90	7.5	0.25
105J_1989_1443	2	80	8.0	0.25
105J_1989_1444	0	90	7.5	0.33
105J_1989_1445	0	80	7.6	0.28
105J_1989_1446	0	70	7.1	0.13
105J_1989_1447	0	80	7.6	0.34
105J_1989_1448	0	90	7.5	0.75
105J_1989_1449	0	80	7.6	0.06
105J_1989_1450	0	90	7.6	0.08
105J_1989_1451	0	70	7.8	0.31
105J_1989_1452	0			
105J_1989_1453	0	80	7.3	0.15
105J_1989_1454	0	50	7.4	0.08
105J_1989_1455	0	30	6.4	<0.05
105J_1989_1456	0	90	6.0	<0.05
105J_1989_1457	0	180	8.1	0.75
105J_1989_1458	0	140	7.6	1.54
105J_1989_1459	0	150	7.9	1.54
105J_1989_1462	1	120	7.5	1.03
105J_1989_1463	2	110	7.6	1.06
105J_1989_1464	0			
105J_1989_1465	0	160	6.6	<0.05
105J_1989_1466	0	150	8.1	1.59
105J_1989_1467	0	120	7.3	1.47
105J_1989_1468	0	110	7.0	0.16
105J_1989_1469	0	120	7.6	0.25
105J_1989_1471	0			
105J_1989_1472	0	150	6.9	<0.05
105J_1989_1473	0	120	7.4	0.11
105J_1989_1474	0	110	7.6	0.47
105J_1989_1475	0	130	6.7	0.41
105J_1989_1476	0	110	6.6	<0.05
105J_1989_1477	0	80	5.8	<0.05

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1478	0	70	7.4	<0.05
105J_1989_1479	0	80	7.7	0.57
105J_1989_1480	0	130	7.2	0.19
105J_1989_1482	1	180	7.2	0.19
105J_1989_1483	2	160	7.1	0.11
105J_1989_1484	0	110	7.9	0.32
105J_1989_1485	0	100	7.7	0.28
105J_1989_1486	0	260	7.4	<0.05
105J_1989_1487	0	110	5.2	<0.05
105J_1989_1488	0	80	7.1	<0.05
105J_1989_1489	0	90	7.8	0.10
105J_1989_1490	0	230	7.4	0.16
105J_1989_1491	0	170	7.7	1.13
105J_1989_1492	0	70	7.7	0.53
105J_1989_1493	0	100	7.7	1.39
105J_1989_1494	0	80	6.6	0.19
105J_1989_1495	0	510	7.2	2.35
105J_1989_1496	0	270	6.6	0.13
105J_1989_1497	0	110	6.9	0.36
105J_1989_1498	0	100	7.2	0.31
105J_1989_1499	0	160	8.0	3.57
105J_1989_1502	0	130	7.3	0.94
105J_1989_1503	1	80	6.6	<0.05
105J_1989_1504	2	60	6.8	<0.05
105J_1989_1505	0	90	6.9	0.08
105J_1989_1506	0	100	7.7	0.95
105J_1989_1507	0			
105J_1989_1508	0	760	7.1	0.16
105J_1989_1509	0	500	7.5	1.03
105J_1989_1510	0	120	7.0	<0.05
105J_1989_1511	0	250	7.4	0.08
105J_1989_1513	0	130	6.9	<0.05
105J_1989_1514	0	150	7.1	0.14

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1515	0	160	7.3	0.18
105J_1989_1516	0	200	5.6	<0.05
105J_1989_1517	0			
105J_1989_1518	0	120	6.0	<0.05
105J_1989_1519	0	110	6.1	<0.05
105J_1989_1520	0	160	7.1	0.25
105J_1989_1522	1	80	6.6	<0.05
105J_1989_1523	2	80	6.7	<0.05
105J_1989_1524	0	80	6.7	0.05
105J_1989_1525	0	60	5.8	<0.05
105J_1989_1526	0	50	5.9	<0.05
105J_1989_1527	0	30	6.5	0.05
105J_1989_1528	0	70	6.3	<0.05
105J_1989_1530	0	80	7.2	0.13
105J_1989_1531	0	110	7.0	0.32
105J_1989_1532	0	270	7.5	1.44
105J_1989_1533	0	180	7.3	0.50
105J_1989_1534	0	960	6.6	<0.05
105J_1989_1535	0	310	7.0	0.11
105J_1989_1536	0	390	7.5	23.00
105J_1989_1537	0	250	7.5	39.00
105J_1989_1538	0	170	7.1	4.67
105J_1989_1539	0	130	7.5	3.67
105J_1989_1540	0	100	6.5	<0.05
105J_1989_1542	1	150	7.1	4.94
105J_1989_1544	2	160	7.5	3.33
105J_1989_1545	0	150	7.5	3.61
105J_1989_1546	0	180	7.6	3.82
105J_1989_1547	0	130	6.5	0.05
105J_1989_1548	0	250	7.3	1.96
105J_1989_1549	0	130	6.6	0.11
105J_1989_1550	0	140	6.6	<0.05
105J_1989_1551	0	170	6.2	0.09

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1552	0	60	5.2	<0.05
105J_1989_1553	0	50	6.5	<0.05
105J_1989_1554	0	200	6.7	0.08
105J_1989_1555	0	80	6.2	<0.05
105J_1989_1556	0	170	6.3	<0.05
105J_1989_1557	0	200	6.9	<0.05
105J_1989_1558	0	160	6.3	<0.05
105J_1989_1559	0	100	6.9	<0.05
105J_1989_1560	0	90	6.3	<0.05
105J_1989_1562	1	100	6.7	<0.05
105J_1989_1563	2	80	6.6	<0.05
105J_1989_1564	0	60	6.7	<0.05
105J_1989_1565	0	70	4.5	0.09
105J_1989_1566	0	70	6.3	0.13
105J_1989_1567	0	50	5.6	<0.05
105J_1989_1568	0	50	6.7	0.48
105J_1989_1569	0	40	6.7	0.25
105J_1989_1570	0	40	6.7	0.16
105J_1989_1572	0	100	6.9	<0.05
105J_1989_1573	0	70	6.6	<0.05
105J_1989_1574	0	300	4.6	0.61
105J_1989_1575	0	230	6.9	0.06
105J_1989_1576	0	100	6.6	0.05
105J_1989_1577	0	100	6.5	0.05
105J_1989_1578	0	120	7.1	<0.05
105J_1989_1579	0	100	6.6	<0.05
105J_1989_1580	0	170	6.4	<0.05
105J_1989_1582	1	220	6.8	<0.05
105J_1989_1583	2	210	6.8	<0.05
105J_1989_1584	0	170	6.7	<0.05
105J_1989_1585	0	340	7.1	0.06
105J_1989_1586	0	190	7.2	<0.05
105J_1989_1587	0	180	7.3	<0.05

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1588	0	220	7.4	0.14
105J_1989_1589	0	250	7.7	0.24
105J_1989_1590	0	160	6.6	<0.05
105J_1989_1591	0	150	7.1	<0.05
105J_1989_1593	0	210	7.0	0.05
105J_1989_1594	0	220	6.8	<0.05
105J_1989_1595	0	150	7.2	0.07
105J_1989_1596	0	450	6.2	0.05
105J_1989_1597	0	700	6.9	0.43
105J_1989_1598	0	220	7.5	0.51
105J_1989_1599	0	200	6.5	<0.05
105J_1989_1600	0	210	7.7	0.36
105J_1989_1602	1	120	6.9	<0.05
105J_1989_1603	2	100	6.5	<0.05
105J_1989_1604	0	170	6.7	<0.05
105J_1989_1605	0	130	6.7	<0.05
105J_1989_1606	0	240	7.4	<0.05
105J_1989_1607	0	100	7.2	<0.05
105J_1989_1608	0	110	7.3	0.50
105J_1989_1610	0	150	7.3	0.94
105J_1989_1611	0	110	7.9	0.13
105J_1989_1612	0	80	7.2	0.31
105J_1989_1613	0	70	7.3	<0.05
105J_1989_1614	0	60	6.6	0.18
105J_1989_1615	0	70	7.3	0.19
105J_1989_1616	0	110	6.4	<0.05
105J_1989_1617	0	150	6.7	<0.05
105J_1989_1618	0	100	7.3	<0.05
105J_1989_1619	0	300	6.6	0.68
105J_1989_1620	0	350	6.7	1.69
105J_1989_1622	1	250	7.0	0.91
105J_1989_1623	2	270	6.9	0.63
105J_1989_1624	0			

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_1625	0			
105J_1989_1626	0			
105J_1989_1627	0	90	6.7	<0.05
105J_1989_1628	0	70	7.8	0.43
105J_1989_1629	0	80	7.8	0.47
105J_1989_1631	0	70	7.7	0.51
105J_1989_1632	0	60	7.9	0.49
105J_1989_1633	0	60	7.9	0.47
105J_1989_1634	0	130	7.7	0.69
105J_1989_1635	0	80	7.9	0.50
105J_1989_1636	0	140	7.6	0.64
105J_1989_1637	0	120	7.9	2.00
105J_1989_1638	0	100	7.7	0.92
105J_1989_1639	0	110	7.6	0.88
105J_1989_1640	0	130	7.9	1.90
105J_1989_1642	1	120	7.8	1.69
105J_1989_1643	2	120	7.9	1.50
105J_1989_1644	0	100	7.5	0.25
105J_1989_1645	0	110	7.6	0.23
105J_1989_1646	0	110	7.6	0.23
105J_1989_1647	0			
105J_1989_1648	0	100	7.9	0.41
105J_1989_1650	0	60	6.6	<0.05
105J_1989_1651	0	70	7.6	0.33
105J_1989_3002	0	110	7.0	0.48
105J_1989_3003	0	100	7.4	0.64
105J_1989_3005	0			
105J_1989_3006	0	120	7.7	12.50
105J_1989_3007	0	130	7.1	0.48
105J_1989_3008	0	90	7.4	0.36
105J_1989_3009	1	100	7.4	0.46
105J_1989_3010	2	100	7.5	0.48
105J_1989_3011	0	110	7.8	1.06

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_3012	0	80	7.1	0.14
105J_1989_3013	0	70	7.6	0.24
105J_1989_3014	0	70	6.9	0.06
105J_1989_3015	0	60	7.9	0.19
105J_1989_3016	0	100	7.4	0.47
105J_1989_3017	0	90	7.7	0.92
105J_1989_3018	0	200	7.2	0.19
105J_1989_3019	0	120	7.3	0.15
105J_1989_3020	0	150	7.5	0.33
105J_1989_3022	0	200	7.2	<0.05
105J_1989_3023	0	130	7.2	<0.05
105J_1989_3024	0	150	7.2	<0.05
105J_1989_3025	0	120	7.1	<0.05
105J_1989_3026	0	180	6.7	<0.05
105J_1989_3027	0	160	7.6	0.18
105J_1989_3028	0	270	7.7	0.25
105J_1989_3029	0	130	7.8	0.14
105J_1989_3030	1	200	7.9	0.28
105J_1989_3031	2	210	7.5	0.25
105J_1989_3032	0	170	7.3	0.23
105J_1989_3033	0	800	6.7	<0.05
105J_1989_3034	0	150	7.2	0.07
105J_1989_3035	0	150	7.4	0.11
105J_1989_3036	0	100	7.2	0.10
105J_1989_3038	0	80	6.5	<0.05
105J_1989_3039	0	70	7.0	0.09
105J_1989_3040	0	220	7.5	0.10
105J_1989_3042	1	120	7.3	0.08
105J_1989_3043	2	110	7.2	<0.05
105J_1989_3045	0	60	7.2	0.08
105J_1989_3046	0	700	6.7	0.08
105J_1989_3047	0	80	7.4	0.23
105J_1989_3048	0	60	7.3	0.11

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_3049	0	40	7.2	0.10
105J_1989_3050	0	30	6.9	<0.05
105J_1989_3051	0	20	7.4	0.11
105J_1989_3052	0	20	7.4	0.07
105J_1989_3053	0	20	7.5	0.07
105J_1989_3054	0	20	7.6	0.10
105J_1989_3055	0	30	7.4	0.08
105J_1989_3056	0	100	7.3	0.08
105J_1989_3057	0	110	7.2	0.06
105J_1989_3058	0	80	6.9	<0.05
105J_1989_3059	0	80	7.4	<0.05
105J_1989_3060	0	70	7.4	0.12
105J_1989_3062	0	160	7.4	0.08
105J_1989_3063	1	120	6.9	<0.05
105J_1989_3064	2	130	7.1	<0.05
105J_1989_3065	0	50	7.0	<0.05
105J_1989_3067	0	250	7.2	<0.05
105J_1989_3068	0	50	7.3	0.05
105J_1989_3069	0	50	7.2	<0.05
105J_1989_3070	0	40	7.3	0.09
105J_1989_3071	0	40	7.5	0.06
105J_1989_3072	0	30	6.9	0.13
105J_1989_3073	0	50	7.4	0.22
105J_1989_3074	0	90	7.1	0.10
105J_1989_3075	0	130	6.6	0.05
105J_1989_3076	0	90	7.3	<0.05
105J_1989_3077	0			
105J_1989_3078	0	200	7.6	1.21
105J_1989_3079	0	170	8.1	2.67
105J_1989_3080	0	110	7.8	0.89
105J_1989_3082	0	100	7.8	1.29
105J_1989_3083	0	70	7.5	1.75
105J_1989_3084	1	60	7.8	0.17

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_3085	2	60	7.4	0.20
105J_1989_3087	0	80	7.3	<0.05
105J_1989_3088	0	70	7.5	0.38
105J_1989_3089	0	100	6.9	<0.05
105J_1989_3090	0	300	6.6	<0.05
105J_1989_3091	0	250	7.7	4.06
105J_1989_3092	0	170	7.5	0.32
105J_1989_3093	0	150	7.6	0.56
105J_1989_3094	0	160	7.3	0.07
105J_1989_3095	0	150	7.2	0.09
105J_1989_3096	0	100	7.5	0.96
105J_1989_3097	0	200	7.4	3.21
105J_1989_3098	0	180	7.6	1.94
105J_1989_3099	0	250	7.7	3.25
105J_1989_3100	0	260	6.7	0.38
105J_1989_3102	0	200	7.3	1.88
105J_1989_3103	1	190	7.6	0.63
105J_1989_3104	2	180	6.7	<0.05
105J_1989_3105	0	160	7.7	2.00
105J_1989_3106	0	170	7.5	0.10
105J_1989_3107	0			
105J_1989_3108	0	60	7.4	0.19
105J_1989_3109	0	230	7.1	0.08
105J_1989_3110	0	220	7.1	0.07
105J_1989_3111	0	230	7.6	0.58
105J_1989_3112	0	170	7.8	1.32
105J_1989_3113	0	150	7.4	1.17
105J_1989_3114	0			
105J_1989_3115	0	350	7.9	3.59
105J_1989_3116	0	150	7.6	2.67
105J_1989_3117	0	160	7.9	0.53
105J_1989_3118	0	250	8.0	3.13
105J_1989_3120	0	110	7.8	0.94

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_3122	1	80	7.8	0.80
105J_1989_3123	2	70	7.7	0.80
105J_1989_3124	0	60	7.5	0.23
105J_1989_3125	0	40	7.7	0.49
105J_1989_3126	0	30	7.5	0.35
105J_1989_3127	0	40	7.8	0.35
105J_1989_3128	0	30	7.5	0.35
105J_1989_3129	0	20	6.9	<0.05
105J_1989_3130	0	50	7.4	<0.05
105J_1989_3131	0	110	7.7	0.13
105J_1989_3133	0	100	7.3	<0.05
105J_1989_3134	0	210	7.3	0.22
105J_1989_3135	0	160	7.6	0.28
105J_1989_3136	0	70	7.4	<0.05
105J_1989_3137	0	60	7.7	0.57
105J_1989_3138	0	50	7.8	0.23
105J_1989_3139	0	40	6.5	<0.05
105J_1989_3140	0	40	7.7	0.13
105J_1989_3143	1	50	7.8	0.23
105J_1989_3144	2	40	7.7	0.21
105J_1989_3145	0	30	7.5	<0.05
105J_1989_3146	0	130	7.6	0.31
105J_1989_3147	0	50	7.7	0.15
105J_1989_3148	0	50	7.8	0.95
105J_1989_3149	0	60	7.9	1.23
105J_1989_3150	0	70	7.5	1.28
105J_1989_3151	0	350	7.6	0.48
105J_1989_3152	0	60	7.9	0.93
105J_1989_3153	0	70	7.5	0.53
105J_1989_3154	0	70	7.9	1.65
105J_1989_3155	0	80	7.9	1.47
105J_1989_3156	0	60	8.0	0.25
105J_1989_3157	0	40	7.5	<0.05

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_3158	0	50	7.7	0.18
105J_1989_3159	0	60	6.8	<0.05
105J_1989_3160	0	60	7.2	<0.05
105J_1989_3162	0	90	7.5	0.14
105J_1989_3163	1	80	8.0	0.42
105J_1989_3164	2	60	7.7	0.44
105J_1989_3165	0	60	7.0	<0.05
105J_1989_3166	0	80	7.5	0.28
105J_1989_3167	0	70	7.8	0.59
105J_1989_3168	0	80	7.7	0.69
105J_1989_3169	0	120	7.3	0.19
105J_1989_3170	0	60	8.1	0.07
105J_1989_3171	0	150	7.4	0.52
105J_1989_3172	0	80	7.7	0.60
105J_1989_3173	0	60	7.1	0.42
105J_1989_3174	0	90	7.5	0.19
105J_1989_3175	0	110	7.5	0.17
105J_1989_3176	0	240	7.5	0.44
105J_1989_3177	0	180	7.2	0.05
105J_1989_3179	0	180	6.9	0.11
105J_1989_3180	0	130	7.2	<0.05
105J_1989_3182	0	60	7.4	<0.05
105J_1989_3183	0			
105J_1989_3185	1	60	6.9	<0.05
105J_1989_3186	2	50	7.3	<0.05
105J_1989_3187	0	50	7.8	0.14
105J_1989_3188	0	100	6.6	<0.05
105J_1989_3189	0	110	7.5	<0.05
105J_1989_3190	0	200	6.9	<0.05
105J_1989_3191	0	90	6.6	<0.05
105J_1989_3192	0	160	7.6	0.13
105J_1989_3193	0	180	7.4	0.27
105J_1989_3194	0	280	7.6	3.61

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_3195	0	250	7.8	4.06
105J_1989_3196	0	200	7.2	0.34
105J_1989_3197	0	170	7.3	0.23
105J_1989_3198	0	150	6.6	<0.05
105J_1989_3199	0	220	6.7	<0.05
105J_1989_3200	0	170	7.6	0.19
105J_1989_3202	0	110	7.3	0.05
105J_1989_3203	0	350	7.8	3.30
105J_1989_3204	1	90	6.6	<0.05
105J_1989_3205	2	90	7.3	0.09
105J_1989_3207	0	80	7.9	0.38
105J_1989_3208	0	80	7.9	0.75
105J_1989_3209	0	210	7.6	2.75
105J_1989_3210	0	230	7.8	7.25
105J_1989_3211	0	250	7.6	0.53
105J_1989_3212	0	200	7.0	1.22
105J_1989_3213	0	230	7.7	3.38
105J_1989_3214	0	150	7.4	0.25
105J_1989_3215	0	120	7.7	0.25
105J_1989_3216	0	160	7.2	0.08
105J_1989_3217	0	110	7.5	0.21
105J_1989_3218	0	120	6.7	<0.05
105J_1989_3219	0	150	7.2	0.19
105J_1989_3220	0	160	7.2	0.18
105J_1989_3222	0	450	4.7	0.07
105J_1989_3223	0	190	6.8	0.08
105J_1989_3224	1	150	6.9	0.06
105J_1989_3225	2	130	7.0	0.08
105J_1989_3226	0	150	7.0	0.12
105J_1989_3227	0	140	7.7	1.88
105J_1989_3228	0	200	7.8	9.38
105J_1989_3229	0	90	8.3	0.69
105J_1989_3230	0	150	7.9	<0.05

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_3231	0	110	7.8	0.50
105J_1989_3232	0	220	7.7	1.33
105J_1989_3233	0	130	7.2	0.16
105J_1989_3234	0	80	7.3	0.72
105J_1989_3235	0	70	7.4	<0.05
105J_1989_3236	0	80	7.4	0.08
105J_1989_3238	0	120	7.2	0.33
105J_1989_3239	0	100	6.7	<0.05
105J_1989_3240	0	90	8.0	0.39
105J_1989_3242	0	150	7.7	0.24
105J_1989_3243	1	120	7.6	0.13
105J_1989_3244	2	110	7.7	0.13
105J_1989_3245	0	130	7.9	0.47
105J_1989_3246	0	150	7.7	0.16
105J_1989_3247	0	200	7.6	0.48
105J_1989_3248	0	650	5.9	<0.05
105J_1989_3249	0	230	6.8	<0.05
105J_1989_3251	0			
105J_1989_3252	0	300	7.7	0.31
105J_1989_3253	0	150	8.1	0.31
105J_1989_3254	0	120	7.8	0.18
105J_1989_3255	0	80	7.8	0.24
105J_1989_3256	0	130	6.4	<0.05
105J_1989_3257	0	130	7.5	0.20
105J_1989_3258	0			
105J_1989_3259	0	90	7.4	0.40
105J_1989_3260	0	100	7.8	0.94
105J_1989_3262	0	60	8.2	0.39
105J_1989_3263	0	80	7.6	0.17
105J_1989_3264	0	150	7.6	0.40
105J_1989_3265	0	90	7.8	0.64
105J_1989_3266	0	100	7.2	0.94
105J_1989_3267	0	310	7.6	0.38

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_3268	1	130	7.0	0.09
105J_1989_3269	2	120	7.2	0.58
105J_1989_3270	0	200	7.2	1.29
105J_1989_3271	0	190	6.6	<0.05
105J_1989_3272	0	400	7.6	5.36
105J_1989_3273	0	250	7.1	0.09
105J_1989_3274	0	140	7.3	<0.05
105J_1989_3275	0	130	7.9	1.88
105J_1989_3276	0	120	8.0	3.54
105J_1989_3277	0	140	7.9	4.29
105J_1989_3278	0	160	7.4	0.38
105J_1989_3279	0	170	7.4	<0.05
105J_1989_3282	0	250	6.3	<0.05
105J_1989_3283	1	110	7.0	<0.05
105J_1989_3284	2	90	6.9	<0.05
105J_1989_3285	0	40	6.6	<0.05
105J_1989_3286	0	60	7.5	1.54
105J_1989_3288	0	90	8.4	0.46
105J_1989_3289	0	230	8.0	1.28
105J_1989_3290	0			
105J_1989_3291	0	280	7.7	0.86
105J_1989_3292	0			
105J_1989_3293	0	90	7.1	<0.05
105J_1989_3294	0	100	7.6	0.92
105J_1989_3295	0	80	7.3	<0.05
105J_1989_3296	0	60	7.9	0.11
105J_1989_3297	0	50	7.7	0.06
105J_1989_3298	0	50	8.0	0.29
105J_1989_3299	0			
105J_1989_3300	0	70	8.1	0.27
105J_1989_3302	0	110	7.3	0.45
105J_1989_3303	0	100	8.1	1.53
105J_1989_3304	1	190	8.1	0.65

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_3305	2	200	8.1	0.72
105J_1989_3306	0	110	8.1	1.56
105J_1989_3307	0	200	7.8	6.67
105J_1989_3308	0			
105J_1989_3309	0	110	8.0	0.21
105J_1989_3311	0	120	7.8	0.44
105J_1989_3312	0	80	7.5	0.31
105J_1989_3313	0	70	7.6	0.64
105J_1989_3314	0	60	8.0	0.27
105J_1989_3315	0	50	8.2	0.36
105J_1989_3316	0	70	7.6	0.13
105J_1989_3317	0	110	7.5	0.05
105J_1989_3318	0	70	7.8	0.06
105J_1989_3319	0	60	7.7	0.09
105J_1989_3320	0	40	7.0	<0.05
105J_1989_3322	1	90	6.4	<0.05
105J_1989_3323	2	70	6.4	<0.05
105J_1989_3324	0	60	5.1	<0.05
105J_1989_3325	0	70	7.7	<0.05
105J_1989_3326	0	150	7.1	<0.05
105J_1989_3327	0	130	6.7	<0.05
105J_1989_3328	0	100	7.7	0.29
105J_1989_3329	0	110	7.2	0.08
105J_1989_3331	0	450	7.1	0.10
105J_1989_3332	0	620	7.3	<0.05
105J_1989_3333	0	750	7.0	<0.05
105J_1989_3334	0	150	7.5	0.08
105J_1989_3335	0	120	7.4	0.06
105J_1989_3336	0	90	7.2	<0.05
105J_1989_3337	0	110	7.0	<0.05
105J_1989_3338	0	100	7.3	<0.05
105J_1989_3339	0	270	5.8	<0.05
105J_1989_3340	0	150	7.4	<0.05

Unique ID	Rep Stat	F-W ISE	pH GCM	U-W LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_3342	0	100	6.5	<0.05
105J_1989_3343	0	110	4.7	0.06
105J_1989_3345	0	80	6.5	<0.05
105J_1989_3346	1	120	7.2	0.05
105J_1989_3347	2	130	7.3	0.06
105J_1989_3348	0	180	7.3	0.50
105J_1989_3349	0	170	7.6	0.32
105J_1989_3350	0	150	7.7	0.78
105J_1989_3351	0			
105J_1989_3352	0	200	7.7	0.73
105J_1989_3353	0	120	6.7	<0.05
105J_1989_3354	0	470	7.6	<0.05
105J_1989_3355	0	80	6.3	<0.05
105J_1989_3356	0	90	6.2	<0.05
105J_1989_3357	0	120	6.5	<0.05
105J_1989_3358	0	230	7.0	<0.05
105J_1989_3359	0	160	7.3	0.09
105J_1989_3360	0	150	7.1	<0.05
105J_1989_3362	0	70	7.1	<0.05
105J_1989_3363	1	60	7.0	0.08
105J_1989_3364	2	60	6.9	0.13
105J_1989_3365	0	250	7.4	0.08
105J_1989_3366	0	150	7.4	<0.05
105J_1989_3367	0	140	7.3	<0.05
105J_1989_3368	0	130	7.2	<0.05
105J_1989_3369	0	110	7.3	<0.05
105J_1989_3370	0	120	7.4	<0.05
105J_1989_3372	0	90	6.8	<0.05
105J_1989_3373	0	150	7.0	<0.05
105J_1989_3374	0	120	7.0	0.06
105J_1989_3375	0	130	7.2	<0.05
105J_1989_3376	0	130	7.7	0.06
105J_1989_3377	0	90	7.7	0.08

Unique ID	**Rep Stat**	**F-W** ISE	**pH** GCM	**U-W** LIF
		ppb	-	ppb
		20	-	0.05
105J_1989_3378	0	180	6.9	<0.05
105J_1989_3379	0	70	6.6	0.05
105J_1989_3380	0	270	7.3	0.37
105J_1989_3382	1	230	7.0	0.86
105J_1989_3383	2	280	6.9	0.69
105J_1989_3384	0	500	8.0	16.79
105J_1989_3385	0	90	6.8	0.11
105J_1989_3386	0	550	8.0	7.50
105J_1989_3387	0	200	7.5	0.33
105J_1989_3388	0	350	6.9	0.70
105J_1989_3389	0	150	7.5	0.11
105J_1989_3390	0			
105J_1989_3391	0	450	7.1	0.28
105J_1989_3392	0	200	5.1	<0.05
105J_1989_3393	0	230	4.0	0.39